

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

2. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

3. NAME OF OPERATOR

DIAMOND SHAMROCK CORPORATION

4. ADDRESS OF OPERATOR

Drawer E Vernal, UT 84078 801-789-5270

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

1790' FEL 2341' FSL

At proposed prod. zone

Same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

17.7 miles Southwest Myton, UT

7. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drg. unit line, if any)

1790'

8. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

9. NO. OF ACRES IN LEASE

640

10. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

11. PROPOSED DEPTH

5700'

12. ROTARY OR CABLE TOOLS

Rotary

13. ELEVATIONS (Show whether DF, RT, GR, etc.)

5745'

14. APPROX. DATE WORK WILL START\*

January 15, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24# K-55	250'	Circulate to surface cement will be two staged set D.V. Tool 200' below the Mahogany, quantity of cement will be determined by electrical logs.
7 7/8"	5 1/2"	15.5# K-55	T.D. 5700'	

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up BOP as required and pressure test. Drill 7 7/8" hole to approximately 5700' if production is found feasible set 5 1/2" production casing.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*[Signature]*

TITLE

District Superintendant

DATE

December 29, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

*[Signature]*

FOR E. W. GUYNN

TITLE

DISTRICT OIL & GAS SUPERVISOR

DATE

JAN 21 1982

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

*State of CO*

United States Department of the Interior  
 Geological Survey  
 2000 Administration Bldg.  
 1745 West 1700 South  
 Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Diamond Shamrock  
 Project Type Oil Well  
 Project Location 1790' FEL & 2341' FSL - Sec. 15, T. 9S, R. 16E  
 Well No. 33-15 Lease No. U-107985  
 Date Project Submitted Decmeber 29, 1981

FIELD INSPECTION

Date January 11, 1982

Field Inspection  
 Participants

Greg Darlington - USGS, Vernal

Gary Slagel - BLM, Vernal

Gene Stewart - Diamond Shamrock

Floyd Murray - D. E. Casada

Related Environmental Documents: Unit Resource Analysis, Duchesne Planning

Unit, BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

January 15, 1982  
 Date Prepared

Greg Darlington  
 Environmental Scientist

I concur

JAN 19 1982  
 Date

W. P. Martin  
 District Supervisor

FOR E. W. GUYNN  
 DISTRICT OIL & GAS SUPERVISOR

PROPOSED ACTIONS:

Diamond Shamrock plans to drill the Castle Peak #33-15 well, a 5700' oil test of various formations. About .3 mile of new access road will be required to reach the new well service road proposed for the #42-15 well. A pad 135' x 300' and a reserve pit 75' x 125' are planned for the location.

RECOMMEND APPROVAL CONDITIONS:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD:

1. BLM stipulations;
2. lease stipulations;
3. provide adequate logs for the identification of other minerals as requested in the Mineral Evaluation Report and Mining Report; and
4. pits will be lined to prevent seepage impacts and retain drilling fluids for drilling efficiency.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety							1, 2, 4, 6	1-11-1982	
Unique charac- teristics							1, 2, 4, 6		
Environmentally controversial							1, 2, 4, 6		
Uncertain and unknown risks							1, 2, 4, 6		
Establishes precedents							1, 2, 4, 6		
Cumulatively significant							1, 2, 4, 6		
National Register historic places							1, 6		
Endangered/ threatened species							1, 6		
Violate Federal, State, local, tribal law							1, 2, 4, 6		



# CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. Onsite Requirements Other than the Items 1-7.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

DIAMOND SHAMROCK CORPORATION

## 3. ADDRESS OF OPERATOR

Drawer E Vernal, UT 84078 801-789-5270

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

1790' FEL 2341' FSL

At proposed prod. zone

Same

NWSE

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

17.7 miles Southwest Myton, UT

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drg. unit line, if any)

1790'

## 16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

## 19. PROPOSED DEPTH

5700' *was set  
longer*

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5745'

## 22. APPROX. DATE WORK WILL START\*

January 15, 1982

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
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7 7/8"	5½"	15.5# K-55	T.D. 5700'	

Drill 12½" hole to approximately 250' set 8 5/8" casing, set up BOP as required and pressure test. Drill 7 7/8" hole to approximately 5700' if production is found feasible set 5½" production casing.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MININGDATE: 1/19/82  
BY: V. Hughes

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program if any.

## 24.

SIGNED

*Bill Elmer*

TITLE District Superintendent

DATE December 29, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

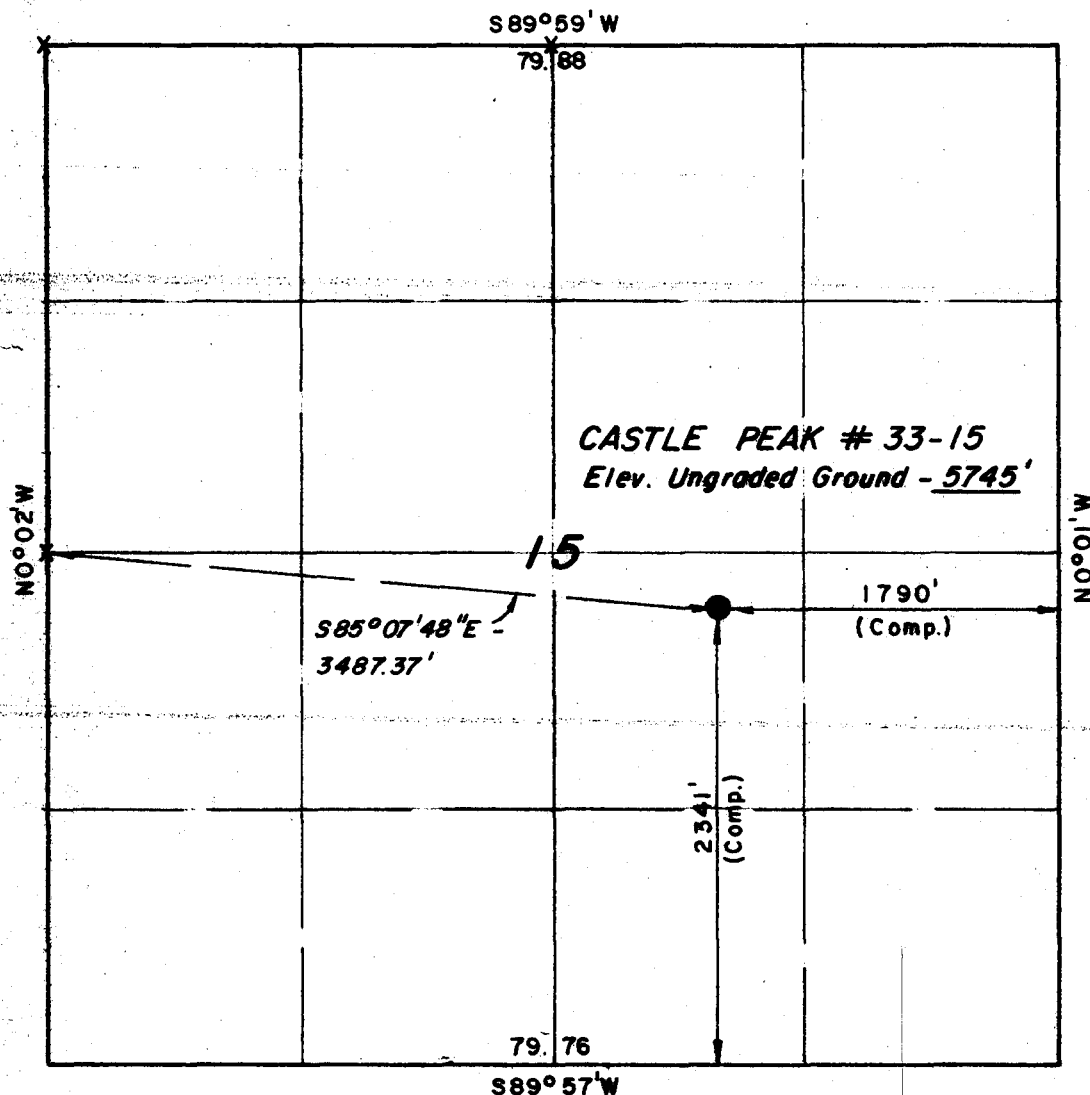
DATE

CONDITIONS OF APPROVAL, IF ANY:

T 9 S , R 16 E , S.L.B. & M.

PROJECT  
DIAMOND SHAMROCK CORP.

Well location, CASTLE PEAK # 33-15,  
located as shown in the NW 1/4 SE 1/4  
Section 15, T9S, R16E, S.L.B. & M.  
Duchesne County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Deane Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	12/25/81
PARTY	GS TJ JP RP	REFERENCES	GLO Plat
WEATHER	Clear / Cold	FILE	DIAMOND SHAMROCK

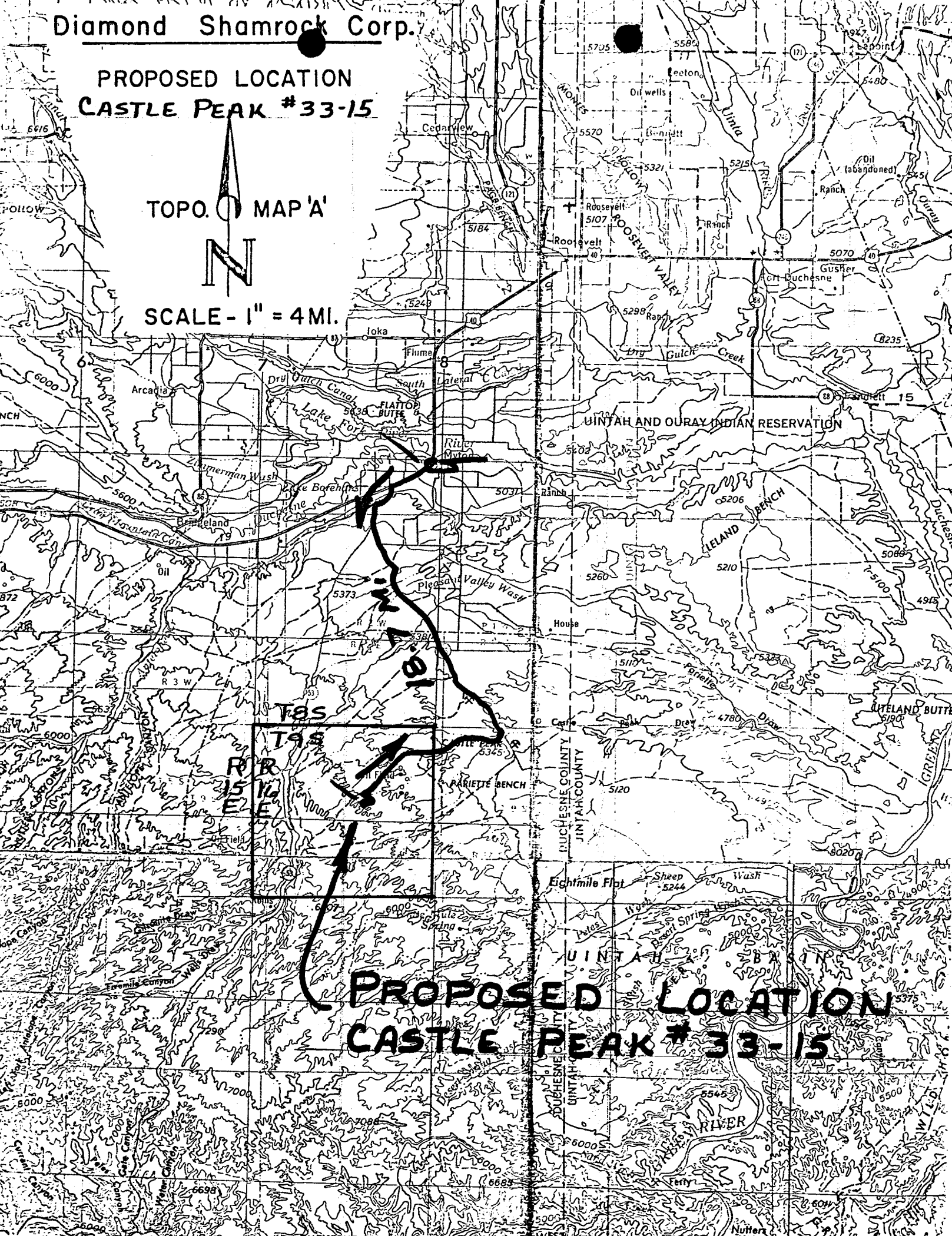
# Diamond Shamrock Corp.

PROPOSED LOCATION  
CASTLE PEAK #33-15

TOPO. MAP 'A'



SCALE - 1" = 4 MI.



NELSON J. MARSHALL  
Phone 789-0272

GENE STEWART  
Phone 789-1795

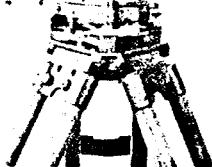
LAWRENCE C. KAY  
Phone 789-1125

OFFICE LOCATION  
85 SOUTH 200 EAST

PHONE 789-1017

# Uintah Engineering & Land Surveying

P.O. BOX Q  
VERNAL, UTAH 84078



December 28, 1981

Mike Minder  
State Oil & Gas Commission  
4241 State Office Building  
Salt Lake City, UT 84114

Re: Request for variance - Diamond Shamrock  
Castle Peak Federal #33-15 and  
Castle Peak Federal #24-15

Dear Mike,

As consultants for DIAMOND SHAMROCK CORPORATION, we realize that our spacing for the above mentioned wells located in Section 15, T9S, R16E, S.L.B. & M. is the center of each 40 acre parcel with a tolerance of 160.0' making any location at least 500' from any subdivision lines. However due to extreme topographic problems in the area we request a variance on the above described wells to be.

Castle Peak Federal #24-15 2147' FWL 906' FSL  
Castle Peak Federal #33-15 1790' FEL 2341' FSL

See the attached topographic map for approximate locations compared to the true location site.

If you have any questions concerning this matter please be in touch with this office.

DIVISION OF  
OIL, GAS & MINING

JAN 06 1982

RECEIVED

Thank you

*Gene Stewart*

Gene Stewart

GS:sh

1. GEOLOGICAL NAME OF SURFACE FORMATION

- (A) Uintah Formation of Eocene Age

2. TOPS OF IMPORTANT GEOLOGICAL MARKERS

- (A) Top Oil Shale 1480'
- (B) Horsebench Sand 2090'
- (C) Base Oil Shale 2770'
- (D) Garden Gulch 3560'
- (E) Douglas Creek Member 4560'
- (F) Douglas Creek VII Sand 4580'
- (G) Douglas Creek III Sand 5010'
- (H) Wasatch Tongue 5420'
- (I) Wasatch Tongue Sand 5450'
- (J) T.D. 5700'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL OR GAS

- (A) Oil anticipated in Garden Gulch, Douglas Creek VII Sand, Douglas Creek III Sand, Wasatch Tongue Sand.

4. PROPOSED CASING PROGRAM

- (A) 250' of 8 5/8" surface Casing 32# per foot.  
5700' of 5 1/2" 15.5# per foot. (K-55).

5. SPECIFICATIONS FOR PRESSURE CONTROL EQUIPMENT

- (A) 12 inch 3000# Double Hydraulic BOP with Pipe Rams and Blind Rams and Spherical BOP.
- (B) BOP to be pressure tested before spudding and daily testing of closing units and rams while drilling.

6. PROPOSED CIRCULATING MEDIUM

- (A) Brine water is proposed to be used unless additional weight is needed to control pressures or heaving shale. In this event a chemical-gel fresh water mud will be used and Barite as needed to control pressure.

7. AUXILLIARY EQUIPMENT TO BE USED

- (A) Upper Kelly
- (B) Float at Bit
- (C) Floor T.I.W. Valve (stabbing valve) for drilling pipe
- (D) Gas Detector Logging Unit

8. TESTING, LOGGING AND CORING PROGRAM

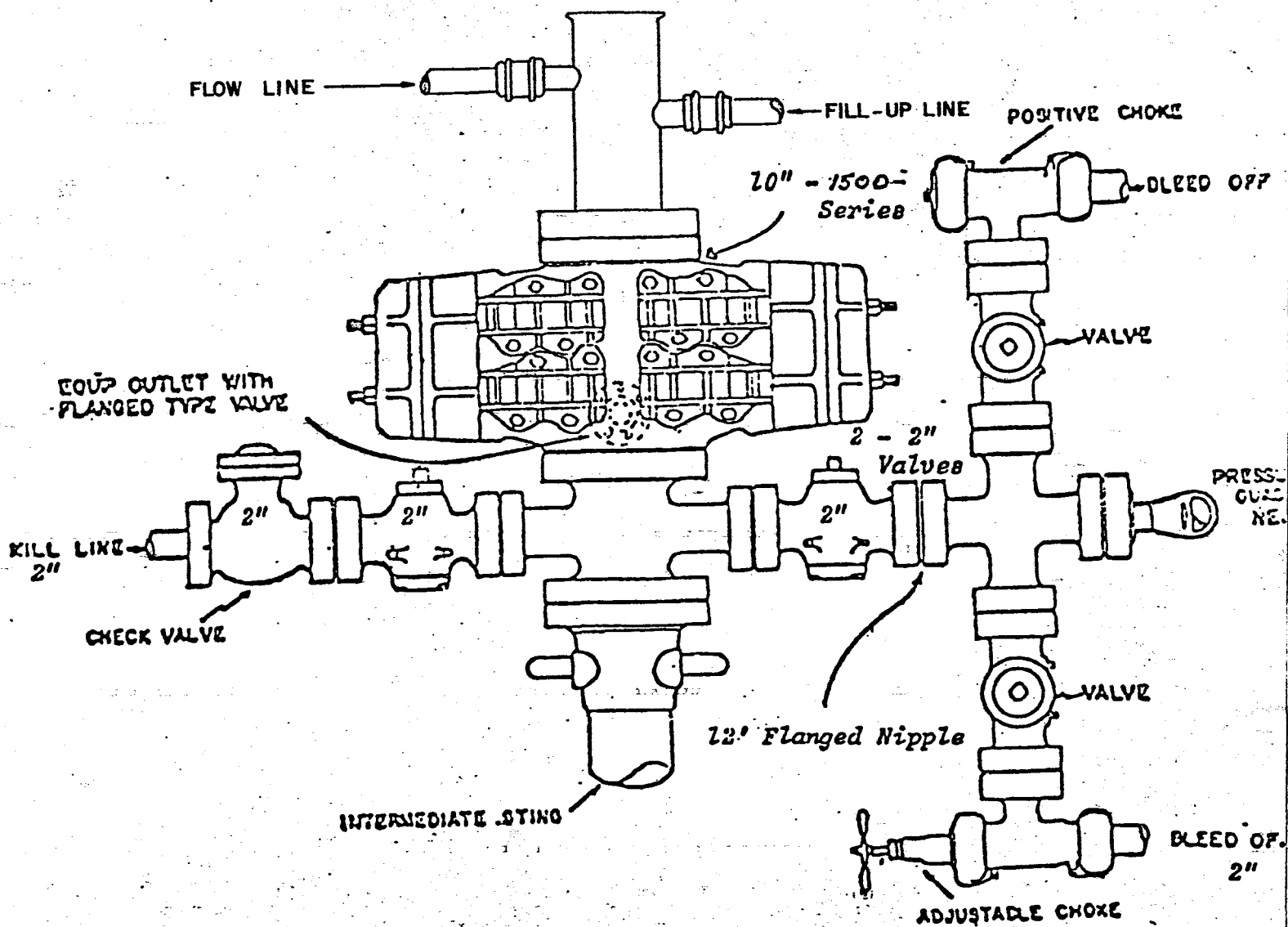
- (A) DIL-SFL Base of surface casing T.D.
- (B) GR-FDC-CNL Base of surface casing T.D.
- (C) Cyberlook - Base of surface casing T.D.
- (D) BHC-Sonic - Base of surface casing T.D.

9. ANTICIPATED ABNORMAL PRESSURES, TEMPERATURES OF HAZARDS

- (A) No abnormal pressures expected
- (B) No hydrogen sulfide gas expected

10. STARTING DATE AND DURATION OF OPERATIONS

- (A) Anticipated starting date as soon as approvals are made. (Jan. 15, 1982)
- (B) This well is anticipated to be drilled in approximately 30 days.



**NOTE:** BLOWOUT PREVENTER HAS DOUBLE RAMS;  
ONE BLIND AND ONE PIPE RAM.

Diag. A



## CEMENTING PROGRAM DESCRIPTION

5½" casing will be run to T.D. as stated in the 10 point plan, part #4, of the Application for permit to Drill NTL-6, utilizing a multiple stage cementing collar at the base of the Mahogany Zone. The productive zones will be covered with cement through the bottom of the 5½" production casing. The multiple stage collar will then be opened and portions of the Mahogany Zone containing Hydrocarbons will be covered with a second stage of cement.

The Placement of the cementing collar and the quantities of cement pumped will be determined after the Electrical logs are evaluated. This procedure will isolate the Douglas Creek Aquifer from both the productive Zones below in the Wasatch and Mesaverde as well as from the Hydrocarbons present in the Mahogany. The upper water zone will be isolated from the hydrocarbon bearing portions of the Mahogany.

DIAMOND SHAMROCK CORPORATION

13 Point Surface Use Plan

Well Location

Castle Peak #33-15

Located In

Section 15, T9S, R16E, S.L.B. & M.

Duchesne County, Utah

DIAMOND SHAMROCK CORPORATION  
Castle Peak #33-15  
Section 15, T9S, R16E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach DIAMOND SHAMROCK CORPORATION, well location site Castle Peak #33-15, located in the NW 1/4 SE 1/4 Section 15, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 - 1.4 miles + to the junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 - 9.5 miles to its junction with an existing road to the Southwest proceed Southwesterly along this road 5.5 miles to its junction with the proposed assess road (to be discussed in Item #2).

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exits to the South; thereafter the road is constructed with existing materials and gravels. The Highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service road and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing areas they are located in and range from clays to sandy-clay shale material.

The roads that are required for access during the drilling phase, completion phase, and production phase, of this well will be maintained at the standards required by the B.L.M. or other controlling agencies. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned road leaves the existing road described in Item #1 in the SW 1/4 NW 1/4 Section 15, T9S, R16E, S.L.B. & M., and proceeds in a Easterly direction approximately 1 mile to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

DIAMOND SHAMROCK CORPORATION  
Castle Peak #33-15  
Section 15, T9S, R16E, S.L.B. & M.

There will be one culvert required along this access road. This culvert will be a 36" culvert and will be placed according to the specifications found in the Oil & Gas Surface Operations Manual. If at the time of the onsite it is found feasible the proposed culvert may be replaced by a dry wash drainage crossing.

There will be no turnouts required along this road.

There are no fences encountered along this access road therefore there are no gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

### 3. LOCATION OF EXISTING WELLS

There are known producing wells and one existing abandoned well within a one mile radius of this location site. (See Topographic Map "B").

There are no known water wells, abandoned wells, drilling wells, shut-in wells for observation or for other resources within a one mile radius.

### 4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are existing production facilities belonging to DIAMOND SHAMROCK CORPORATION within a one mile radius.

A tank battery site will be set at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to existing facilities in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

### 5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over the existing roads and the proposed access road approximately 17.7 miles from the Duchesne River at a point where it crosses under U.S. Highway 40.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. Representative shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

#### 10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

#### 11. OTHER INFORMATION

##### The Topography of the General Area -- (See Topographic Map "A")

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Duchesne River is located approximately 10 miles to the North of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that are visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

DIAMOND SHAMROCK CORPORATION  
Castle Peak #33-15  
Section 15, T9S, R16E, S.L.B. & M.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush, some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B").

Castle Peak #33-15 is located approximately 600' North of Castle Peak Draw a non-perennial drainage which drains to the North and East.

The terrain in the vicinity of the location slopes from the North through the location site to the Southeast at approximately a 7.0% grade.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

There are no occupied dwellings or other facilities of this nature in the general area.

All lands involved under this action are under B.L.M. jurisdiction.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Bill Elliot  
DIAMOND SHAMROCK CORPORATION  
85 South 200 East  
Vernal, UT 84078

1-801-789-5270

DIAMOND SHAMROCK CORPORATION  
Castle Peak #33-15  
Section 15, T9S, R16E, S.L.B. & M.

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by DIAMOND SHAMROCK CORPORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Dec 29, 1981  
Date

Bill Elliot  
Bill Elliot

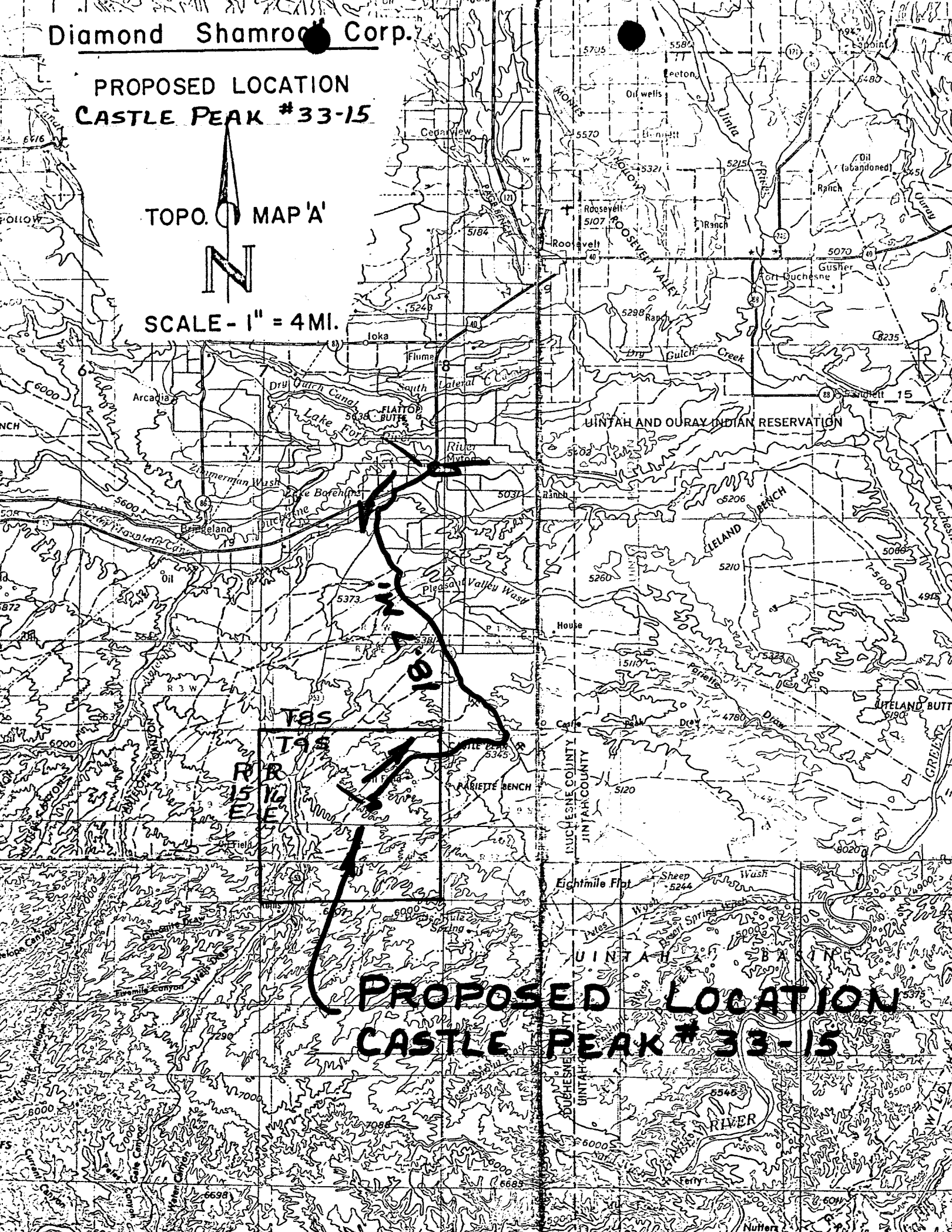


PROPOSED LOCATION  
CASTLE PEAK #33-15

TOPO. MAP 'A'



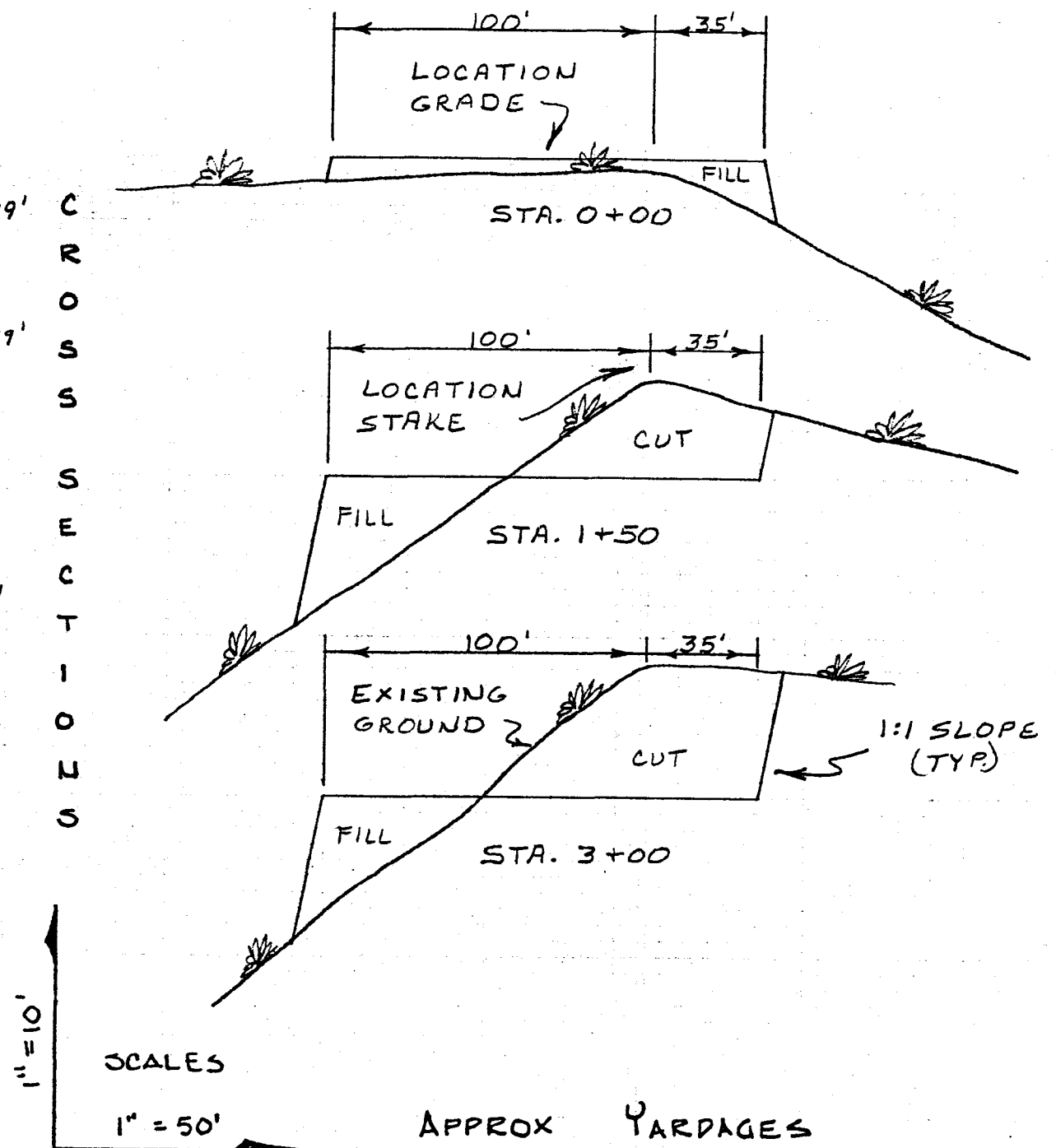
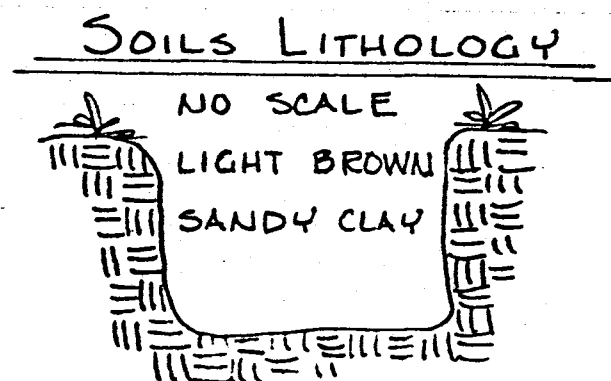
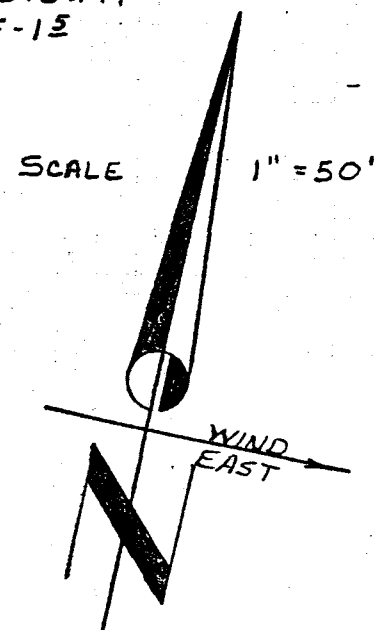
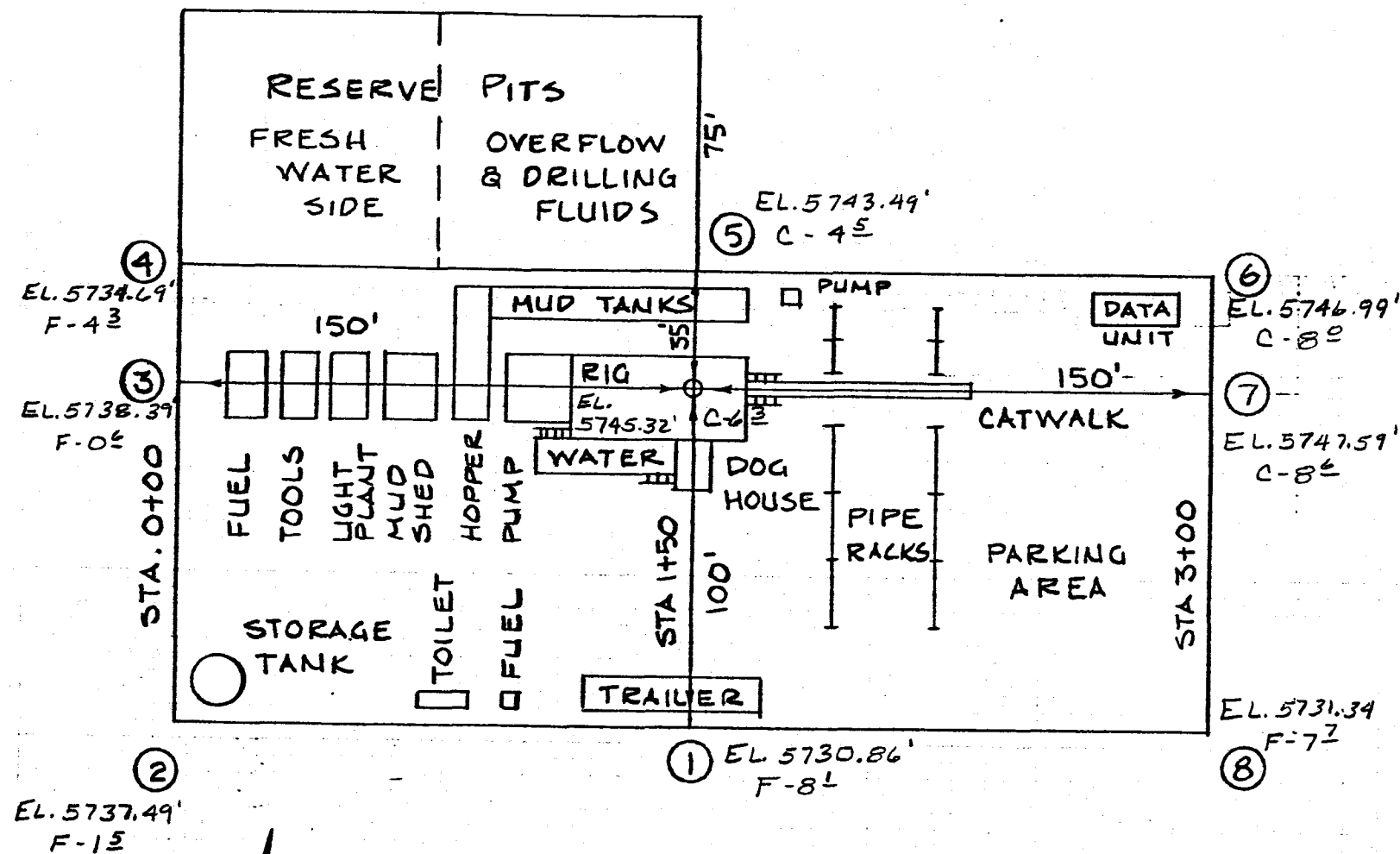
SCALE - 1" = 4 MI.



PROPOSED LOCATION  
CASTLE PEAK #33-15

# DIAMOND SHAMROCK CORP.

## CASTLE PEAK #33-15



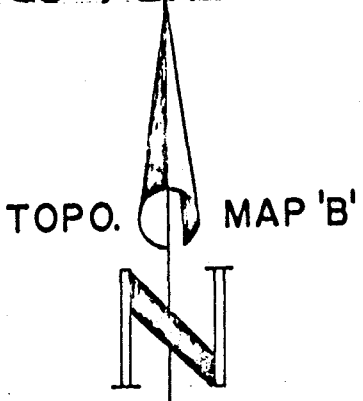
**APPROX YARDAGES**

CUBIC YARDS CUT - 3396

CUBIC YARDS FILL - 2651

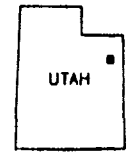
Diamond Shamrock Corp.

PROPOSED LOCATION  
CASTLE PEAK #33-15

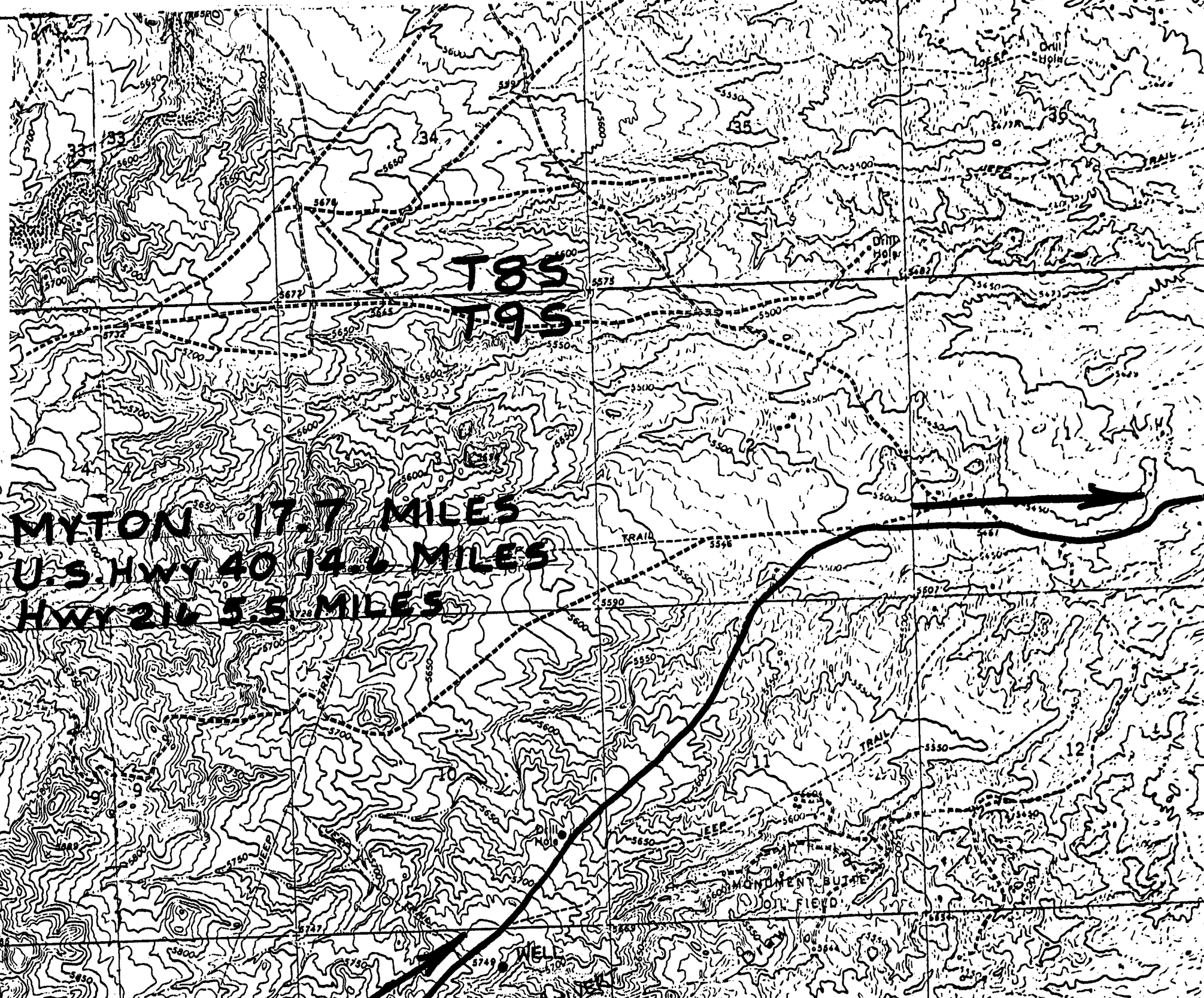


SCALE - 1" = 2000'

ROAD CLASSIFICATION  
Medium-duty ——— Light-duty - - - - -  
Unimproved dirt .....  
○ State Route



QUADRANGLE LOCATION







PROPOSED ACCESS  
ROAD

PROPOSED LOCATION  
CASTLE PEAK # 33-15

January 11, 1982

Diamond Shamrock Corporation  
Drawer E  
Vernal, Utah 84078

RE: Well No. Castle Peak Federal #33-15  
Sec. 15, T. 9S, R. 16E  
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - Director  
Office: 533-5771  
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30632.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight  
Director

CBF/as  
Encl.  
cc: USGS



# United States Department of the Interior

IN REPLY REFER TO

T & R  
U-801

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

January 12, 1982

Ed Guynn, District Engineer  
USGS, Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

Re: Joint Onsite Inspection  
Diamond Shamrock Corporation  
T9S, R16E, Section 10  
Well #44-10  
T9S, R16E, Section 15  
Wells 22-15, 24-15, 33-15, 42-15

Dear Mr. Guynn;

On January 11, 1982, a joint onsite inspection was made of the above referenced well site locations and proposed access roads by people representing Diamond Shamrock, Casada Construction, USGS, and the BLM. We feel that the surface use and operating plans are adequate with the following stipulations:

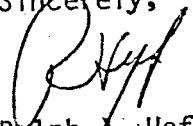
1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and traveling off the right-of-way will not be allowed.
3. Topsoil will be stockpiled as addressed in the applicants 13 point plan. Our office recommends the top 6-10 inches of soil materials be stockpiled.
4. The BLM will be notified at least 24 hours prior to any construction.
5. The BLM will be notified at least 24 hours prior to any rehabilitation.
6. A burn pit will not be constructed. There will be no burying of garbage or trash at the location. All trash must be contained and hauled to an approved disposal site.
7. All permanent (on site for six (6) months duration or longer) structures constructed or installed shall be painted a flat (non-reflective) earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.

8. At location #44-10, the size of the pit will be changed to 100' x 120'.
9. At location #24-15, the topsoil will be stockpiled between points 7 and 8.

An archaeological clearance has been conducted by Utah Archaeological Research Corporation of the proposed drill sites and access roads. No cultural materials were located on the surface of the survey areas.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna and their habitats.

Sincerely,



Ralph J. Heft  
Area Manager  
Diamond Mountain Resource Area

cc: USGS, Vernal

**\*\* FILE NOTATIONS \*\***

DATE: 1-16-82  
OPERATOR: Diamond Shamrock Corp.  
WELL NO: Castle Peak Federal #33-15  
Location: Sec. 15 T. 9S R. 16E County: Duchesne

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-013-30632

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: Unit well

Administrative Aide: Unit well.

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. \_\_\_\_\_

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Prod

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☒

P.I. ☒



NOTICE OF SPUD

Company: Oramond Shamrock  
Caller: Pete Pachulski  
Phone: \_\_\_\_\_

Well Number: 33-15

Location: NWSE 15-9S-16E

County: Wuchesse State: Utah

Lease Number: U-017985

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 4-8-82 7:00 A.M.

Dry Hole Spudder Rotary: \_\_\_\_\_

Details of Spud (Hole, Casing, Cement, etc.) 12 1/2" - set

253' KB 8 5/8" (24#) K55 - Cmt W/200 SXS.

Rotary Rig Name & Number: Brinkerhoff 85

Approximate Date Rotary Moves In: ? when

FOLLOW WITH SUNDRY NOTICE

Call Received By: HR

Date: 4-8-82

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR  
Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR  
5730 W. Yellowstone Casper, Wyoming 82604

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1790' FEL, 2341' FSL NW/SE  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

(other) Spud Notice

5. LEASE

U-017985

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Castle Peak Federal

8. FARM OR LEASE NAME

9. WELL NO.

33-15

10. FIELD OR WILDCAT NAME

Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 15, T9S, R16E S.L.B.&M.

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KOB, AND WD)

5245

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF  
OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spudded @ 7:00 a.m., 4-8-82 with spudder rig (Ram Drilling rig #1) Drilled 12 1/4" hole to 255' and set @ 253' KB, 8 5/8" 24#, K-55 surface casing. Cement to surface with 200 sxs.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED James M. Lechubski TITLE Regulation Engineer DATE 4-8-82

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(FORM 9-329)

(2/76)

OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-01796  
Communitization Agreement No. N/A  
Field Name Monument Butte  
Unit Name Castle Peak Federal  
Participating Area N/A  
County Duchesne State Utah  
Operator Diamond Shamrock Corporation  
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of April, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
33-15	15 NW/SE	9S	16E	DRG.					Castle Peak Federal 33-15
					4-8	Spud with dry hole driller and drill to 253' KB. Run 8 5/8", 24#, K-55 casing. Set @ 253' KB. Cement with 200 sxs.			
					4-9 thru 4-14	WORT			
					4-15	RURT			
					4-16 thru 4-25	Drill to 5110'.			

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced			
*Sold			XXXXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXX

Authorized Signature:  Address: 5730 W. Yellowstone Casper, Wyo.  
Title: Asst. Dist. Drlg. Supt.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
(FORM 9-329-1)  
(2/76)

OMB 42-R0356

MONTHLY REPORT  
OF  
OPERATIONS  
(Continued)

Lease No. U-017985

Communitization Agreement No. N/A

Field Name Monument Butte

Unit Name Castle Peak Federal

Participating Area N/A

County Duchesne State Utah

Operator Diamond Shamrock Corporation

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of May, 1982

(See Reverse of Form 9-329 for Instructions)

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
33-15	15 NW/SE	9S	16E	DRG.	5-18	Frac. with 1000 gal. 7 1/2% HCL, 476 bbl. 2% KCL gel with 40.5K# sand			Castle Peak Federal 33-15
					5-19	RIH retrieve bridge plug. POOH. RIH			
					5-20	RIH and clean out. Nipple up tree. Swab test.			
					5-21	Swab test.			
					5-22	Run Pump and rods. Turned to Production.			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(FORM 9-329)

(2/76)

OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-017985  
Communitization Agreement No. N/A  
Field Name Monument Butte  
Unit Name Castle Peak Federal  
Participating Area N/A  
County Duchesne State Utah  
Operator Diamond Shamrock Corporation  
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of May, 19 82


(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
33-15	15 NW/SE	9S	16E	DRG.					Castle Peak Federal 33-15
					4-26 thru 4-29	Drill to 5980'. Log. WOO			45-013-30632
					4-30	Run 5 1/2", 15.5#, K-55 casing. Set @ 5979' KB.			
						Cement with 1395 sxs. Rig Released.			
					5-1 thru 5-8	WOCT			
					5-9	RUCT and P.U. 2 3/8", (J-55, 4.6#)			
					5-10 thru 5-12	Drill cement			
					5-13	Run CBL-VDL. Perforate 5760' - 5776' (17 holes) and 5656' - 5664' (17 holes)			
					5-14	Attempt FRac. - screened out. Frac. with 1000 gal. 7 1/2% HCL and 92 bbl. 2% KCL acid gel. Clean out.			
					5-15	RIH with Bridge Plug and set @ 5619'. POOH. Perforate 5522' - 5543' (43 holes) and 5471' - 5504' (67 holes)			
					5-16	Frac. with 1000 gal. 7 1/2% HCL and 1191 bbl. 2% KCL gel with 95K lbs. sand.			
					5-17	RIH and re-set bridge plug @ 5378'. Perforate 5217' - 5230' (27 holes).			

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced			
*Sold			XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXXXX
Authorized Signature: 	Address: 5730 W. Yellowstone Casper, Wyo.		
Title: Asst. Dist. Drlg. Supt.	Page one of two		

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR

5730 West Yellowstone Hwy. Casper, Wyoming 82404

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1790' FEL, 2341' FSL NW/SE

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

43-013-30632

1-11-82

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

19. ELEV. CASINGHEAD

4-8-82

4-28-82

6-2-82

5745' GR

5745'

20. TOTAL DEPTH, MD &amp; TVD

21. PLUG, BACK T.D., MD &amp; TVD

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

5980'

5947'

10' - 5980'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

5217' - 5230'

5522' - 5543'

5760' - 5776'

GREEN RIVER

5471' - 5505'

5656' - 5664'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL-SFL, GR-EDC-CNL, Cyberlook

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	253' KB	12 1/2"	200 SXS.	-0-
5 1/2"	15.5#	5979' KB	7 7/8"	1395 SXS.	-0-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
- - -					2 3/8"	5189'	- - -

31. PERFORATION RECORD (Interval, size and number)

5217' - 5230' .48 27 holes  
 5471' - 5505' .48 67 holes  
 5522' - 5543' .48 43 holes  
 5656' - 5664' .48 17 holes  
 5760' - 5776' .48 17 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Attached	Sheet

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD ( <del>Flowing, gas lift, pumping—size and type of pump</del> )				WELL STATUS ( <del>Producing or shut-in</del> )	
6-2-82		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-2-82	24	- - -	→	66	20	50	303:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
- - -	- - -	→	- - -	- - -	- - -	30 @ 60°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

Bill Elliott

35. LIST OF ATTACHMENTS

None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

*Alfred J. Sanders*

TITLE

Dist. Drlg. Supt.

DATE

6-2-82

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, Federal and/or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form, and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. For each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 21 above.)

[illegible]

Castle Peak Federal 33-15  
NW/SE, Sec. 15, T9S, R16E  
Duchesne County, Utah  
Lease: U-017985

Attachment for 9-330 (Completion Report):

Acid, Shot, Fracture, Cement Squeeze, etc.

5760' - 5776'  
5656' - 5664'

1000 gal. 7½% HCL,  
92 bbl. 2% KCL acid gel.

5522' - 5543'  
5471' - 5505'

1000 gal 7½% HCL,  
1191 bbl. 2% KCL acid gel,  
and 95K lb. sand.

5217' - 5230'

1000 gal. 7½% HCL,  
476 bbl. 2% KCL acid gel.  
and 40.5 lb. sand.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form Approved.  
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐  
well well other

2. NAME OF OPERATOR  
DIAMOND CHEMICAL CO. (formerly DIAMOND SHAMROCK)

3. ADDRESS OF OPERATOR  
P.O. Drawer "E", Vernal, Utah 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) lay surface gas lines <input checked="" type="checkbox"/>	<input type="checkbox"/>

5. LEASE

U-017985

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
CASTLE PEAK FEDERAL

9. WELL NO.

10. FIELD OR WILDCAT NAME  
Monument Butte Field

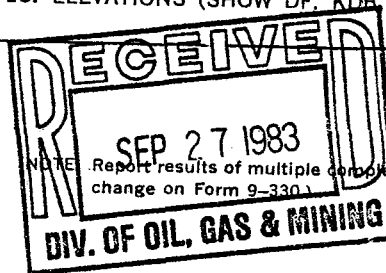
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sections 10 & 15, T9S, R16E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)



17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

DIAMOND CHEMICAL COMPANY requests permission to lay a dry fuel gas distribution system and a high pressure wet gas line (600-800 psi) from the compressor on the Castle Peak Federal #22-15 location to the proposed Monument Butte Gas Plant (located on federal lease U-020252A).

The dry fuel gas lines will be 2" polyethylene pipe and will connect all wells within federal lease U-017985 as shown on the attached topo map. These dry gas lines will allow DIAMOND CHEMICAL to sharply reduce the amount of downtime caused by the condensation of liquids in existing fuel gas lines.

The wet gas line will be 3" welded steel pipe and will allow for the casinghead gas now being produced on federal leases U-017985 & U-096550 and state lease ML-16532 to be processed at the Monument Butte Gas Plant and sold to Mountain Fuel Supply Co. Approximate gas conservation is estimated at 300+ MCF/day.

These lines will be laid in parallel, follow lease & access roads where practical, be cased & buried at road crossings, and will not create a surface disturbance.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

*Jeff H. Ronk*

TITLE Production Engineer

DATE 9-12-83

(This space for Federal or State office use)

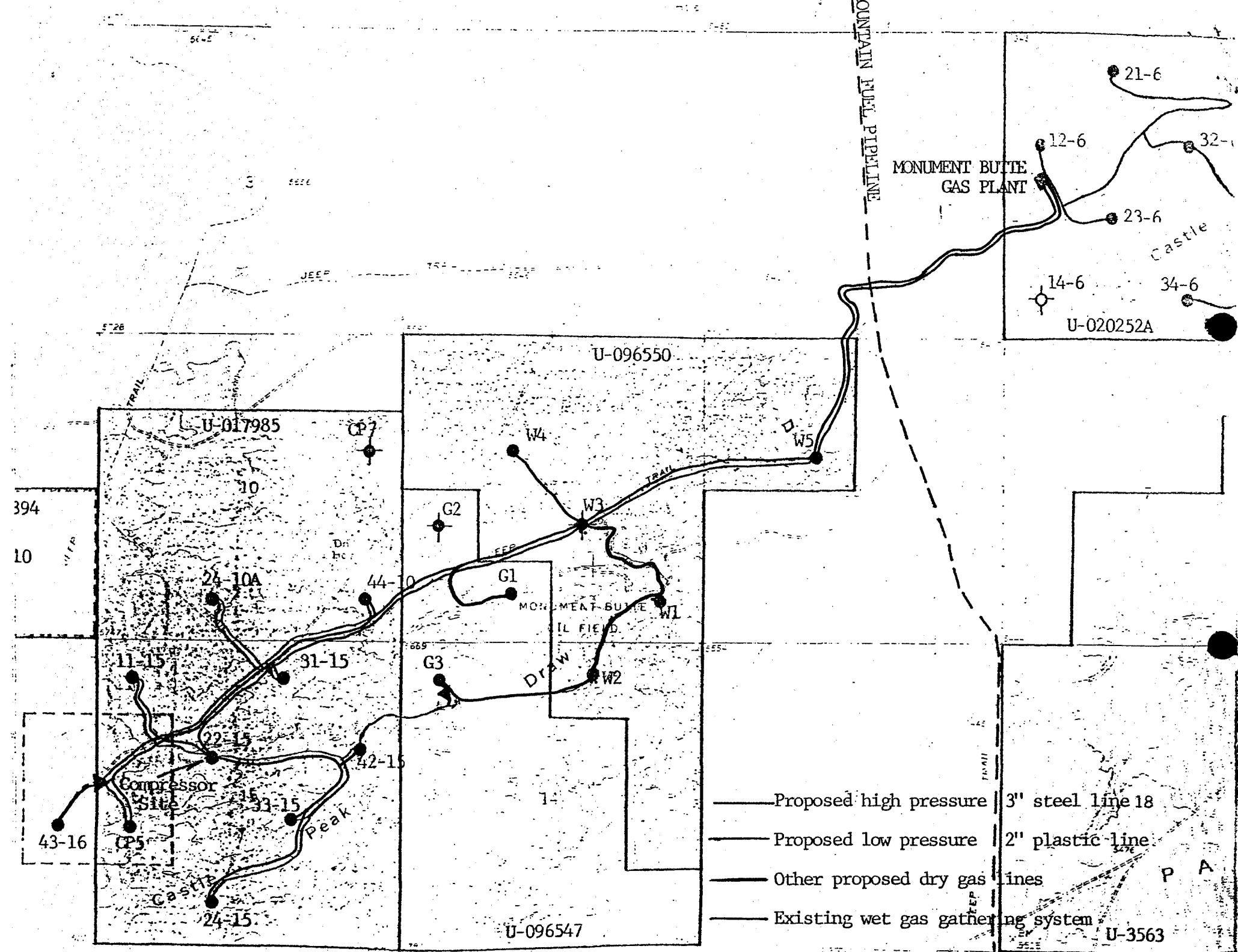
APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 9/18/83  
BY: *[Signature]*

\*See Instructions on Reverse Side



Maxus Energy Corporation  
LTV Center  
2001 Ross Avenue  
Dallas, Texas 75201  
214 979-2800

RECEIVED  
JUN 05 1987

060810

DIVISION OF  
OIL, GAS & MINING

June 2, 1987

**MAXUS**

Utah Division of Oil, Gas & Mining  
Attn: Norm Stout  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Dear Mr. Stout,

Regarding your request for information concerning the change of name of our company from Diamond Shamrock Exploration, to Maxus Exploration Company:

1. New replacement bond is being taken care of by Sherry Neally (214) 953-2858, and will be mailed to you shortly by Judy Tate (806) 378-3876.
2. Contact names will remain the same - Kaleb Leake (307) 266-1882, Maxus Exploration Company, P.O. Box 2530, Mills, WY 82644, for drilling and permitting; Pat Cote (214) 979-2822, at the letterhead address, for production and disposition reporting.
3. I am enclosing a copy of our most recent production report. This is a complete list of all wells to be affected by the name change.
4. The name change is effective 4-28-87. All name change notices are being handled by Dick Smith in our Legal Department (214) 953-2979. He assures us that the notices will be sent out in a few days.
5. There are no changes in the division of interest on any of the attached wells, therefore all entity numbers will remain the same.

Thank you for your patience in this matter, and please contact me if there is any other information needed.

Sincerely,

*Pat Cote*

Pat Cote  
Production Clerk, Oil Revenue  
Maxus Exploration  
(214) 979-2822

UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. • (801-538-5340)Page 2 of 6

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DIAMOND SHAMROCK EXPL.  
2001 ROSS AVE #1500  
DALLAS TX 75201  
ATTN: PAT COTE

RECEIVED  
JUN 05 1987

DIVISION OF  
OIL, GAS & MININGUtah Account No. N0340Report Period (Month/Year) 4 / 87Amended Report ☐

Well Name				Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location				Oil (BBL)	Gas (MSCF)	Water (BBL)
X 4301330612	01140	09S 17E 5		GRRV	30	235	906	-0-
X 4301330664	01145	09S 16E 15		GRRV	-0-	-0-	-0-	-0-
X 4301330634	01150	09S 16E 15		GRRV	30	355	2088	-0-
X 4301330631	01160	09S 16E 15		GRRV	30	102	199	-0-
X 4301330613	01165	09S 16E 15		GRRV	28	171	456	5
X 4301330632	01170	09S 16E 15		GRRV	30	102	191	15
X 4301330633	01175	09S 16E 15		GRRV	24	125	363	10
X 4301330630	01180	09S 16E 10		GRRV	30	109	169	-0-
X 4301330594	01181	09S 16E 16		GRRV	10	160	997	210
X 4301315784	01185	09S 16E 15		GRRV	-0-	-0-	-0-	-0-
X 4301330778	01200	09S 17E 8		GRRV	30	123	314	-0-
X 4301330666	01205	09S 17E 7		GRRV	30	148	237	-0-
X 4301330516	01210	09S 17E 17		GRRV	30	382	1126	15
TOTAL						2012	7046	255

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date 6-2-87

Pat Cote  
Authorized Signature

(214) 979-2822  
Telephone

COMPANY: MAXUS EXPLORATION CO UT ACCOUNT # \_\_\_\_\_ SUSPENSE DATE: 6-10-87  
(FORMERLY DIAMOND SHAMROCK EXPLORATION CO)

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: PAT COTE (PAT PRONOUNCES HER NAME "COATEE")

CONTACT TELEPHONE NO.: (214) 977-2822

SUBJECT: OPERATOR CHANGE - DIAMOND SHAMROCK EXPLORATION CO TO MAXUS EXPL CO

(Use attachments if necessary)

RESULTS: PAT SAID SHE WOULD PROVIDE: LTR OF EXPLANATION FOR 1) EFFECTIVE DATE,  
2) BONDING, 3) ENTITY REVIEW, 4) WELLS IN QUESTION, 5) ADDRESS & TEL  
FOR BOTH DRILLING AND PRODUCTION CONTACT PEOPLE,

SHE WILL USE GOVT A SUPPLEMENTED COPY OF TAD TO IDENTIFY ALL  
WELLS, INCLUDING DRILLING AND INJECTION

(Use attachments if necessary)

CONTACTED BY: [Signature]

DATE: 6-2-87

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals.)

1. OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-017985
2. NAME OF OPERATOR MAXUS EXPLORATION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. BOX 1669, VERNAL, UTAH 84078		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SEE ATTACHMENT		8. FARM OR LEASE NAME SEE ATTACHMENT
14. PERMIT NO. ATTACHMENT		9. WELL NO. SEE ATTACHMENT
15. ELEVATIONS (Show whether DF, RT, OR, etc.) ATTACHMENT		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEE ATTACHMENT
		12. COUNTY OR PARISH DUCHESNE
		13. STATE UTAH

RECEIVED  
APR 25 1989

DIVISION OF  
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	MULTIPLE COMPLETION	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other) SITE FACILITY DIAGRAMS	<input checked="" type="checkbox"/>		

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

MAXUS EXPLORATION COMPANY respectfully submits updated site facility diagrams for your records. The site security plans for these wells will be on file in our Vernal office for inspection at your convenience.

18. I hereby certify that the foregoing is true and correct

SIGNED Jim Hendricks  
Jim Hendricks

TITLE Production Engineer

DATE April 24, 1989

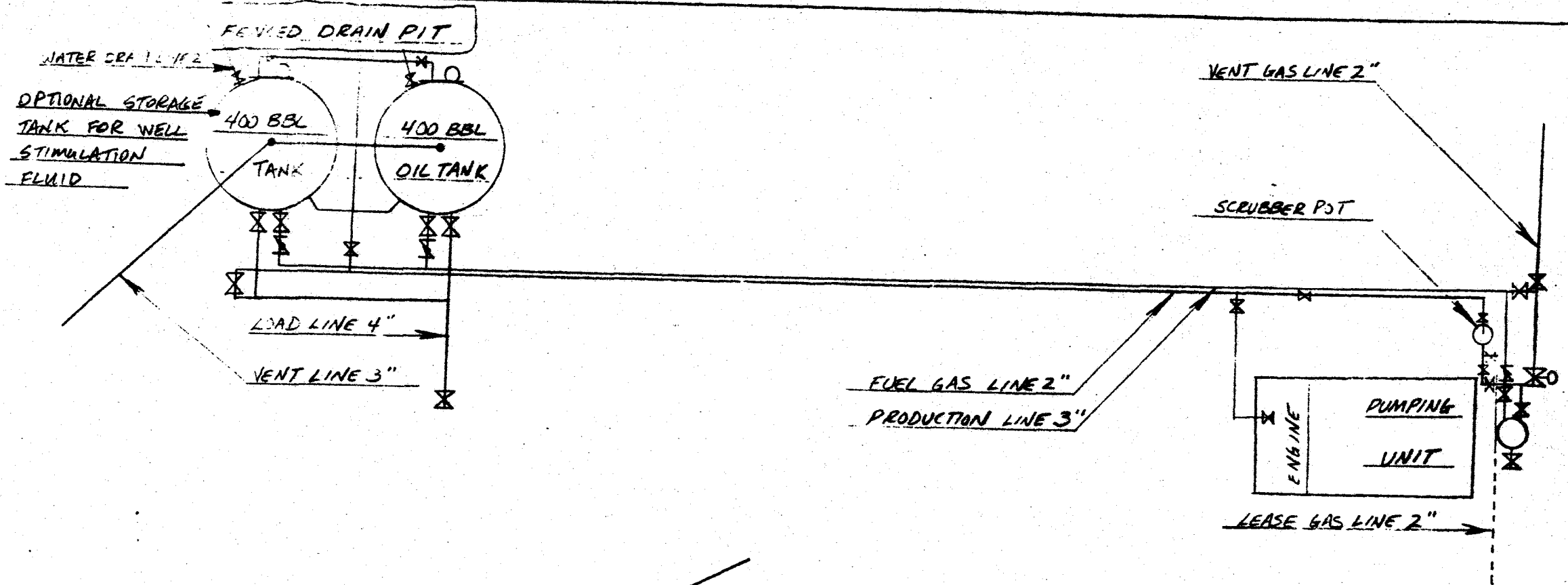
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

WELL NAME & NUMBER	PERMIT #	ELEVATION	LOCATION
Castle Peak Fed. 44-10 Sec. 10 9S 16E	43-013-30630	5696' GR	667' FEL & 557' FSL Sec. 10, T9X, R16E
Castle Peak Fed. 22-15 Sec. 15 9S 16E	43-013-30634	5722' GR	2125' FNL & 2006' FWL Sec. 15, T9S, R16E
Castle Peak Fed. 31-15 Sec. 15 9S 16E	43-013-30613	5742' GR	2062' FEL & 548' FNL Sec. 15, T9S, R16E



**MAXUS**

DIAGRAM NOT TO SCALE

- ⊗ Back Pressure Valve
- ⊗ Control Valve
- ⌞ Check Valve

WELL NAME: CASTLE PEAK FEDERAL #31-15  
 LEASE #: U-017985  
 LOCATION: 2062' FEL & 548' FNL NW/NE  
 SECTION, TWP & RGE: SECTION 15, T9S, R16E  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH





# BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

RECEIVED

OCT 09 1991

DIVISION OF  
OIL GAS & MINING

October 8, 1991

-- VIA FEDERAL EXPRESS --

Lisha Romero  
State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Dear Lisha:

Enclosed are sundry notices for Change of Operator for the wells on the enclosed list. These wells are currently operated by Maxus Exploration Company and are being transferred to:

Balcron Oil  
P.O. Box 21017  
Billings, MT 59104

The transfer is effective November 1, 1991.

If there is any other information you need or if you have any questions, please give me a call.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental, and Regulatory Affairs

/rs

Enclosures

cc: James M. Pachulski, Maxus Exploration Company

*Thanks for all  
your help, Lisha.*

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<p align="center"><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		<p>3. LEASE DESIGNATION &amp; SERIAL NO. <b>SEE ATTACHED LIST</b></p>	
<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p>		<p>6. IF INDIAN ALLOTTEE OR TRIBE NAME</p>	
<p>2. NAME OF OPERATOR <b>EQUITABLE RESOURCES ENERGY COMPANY</b></p>		<p>7. UNIT AGREEMENT NAME</p>	
<p>3. ADDRESS OF OPERATOR <b>P.O. Box 21017; Billings, MT 59104 (406)259-7860</b></p>		<p>8. FARM OR LEASE NAME</p>	
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>SEE ATTACHED LIST</b></p>		<p>9. WELL NO.</p>	
<p>At proposed prod. zone</p>		<p>10. FIELD AND POOL, OR WILDCAT</p>	
<p>14. API NO.</p>		<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</p>	
<p>12. COUNTY</p>		<p>13. STATE</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) _____	Change of Operator <input checked="" type="checkbox"/>	DATE OF COMPLETION _____	
APPROX. DATE WORK WILL START _____			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

Effective November 1, 1991, the operator of this well will change from Maxus Exploration Company

TO: EQUITABLE RESOURCES ENERGY COMPANY  
P.O. Box 21017  
Billings, MT 59104

Effective November 1, 1991, Equitable Resources Energy Company is responsible under the terms and conditions of the lease for operations conducted on the leased lands or a portion thereof under Bureau of Land Management Bond #5547188 issued by Safeco Insurance Co.

**RECEIVED**

OCT 09 1991

DIVISION OF  
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Attorney-in-Fact DATE October 8, 1991

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

Maxus Exploration Comp  
P.O. Box 2530  
Mills, Wyoming 82644  
307 266-1882

RECEIVED

OCT 10 1991

DIVISION OF  
OIL GAS & MINING

**MAXUS**

October 7, 1991

State of Utah  
Division of Oil & Gas  
3 Triad Center, Ste. 350  
Salt Lake City, Utah 84180

Re: Operator Transfer of Maxus  
Exploration Company Wells

Dear Sir:

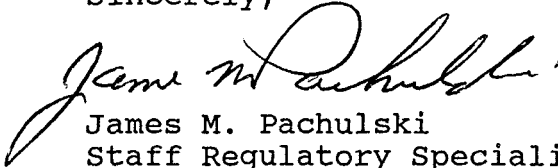
Attached is a list of wells within the State of Utah currently operated by Maxus Exploration Company. These wells are in the process of being transferred to a new operator:

Balcron Oil  
P.O. Box 21017  
Billings, Montana 59104  
Attn: Bobbie Schuman  
Coordinator of Environmental and Regulatory  
Affairs (406) 259-7860

The transfer will become effective on November 1, 1991. Individual Sundry notices for each well will be forwarded to the BLM with a copy to the State of Utah by Balcron Oil in the near future. These Sundry Notices will include the bond number, effective date and a statement agreeing to be responsible under the terms and conditions of the lease.

Please contact the undersigned if there are any questions. Thank you.

Sincerely,

  
James M. Pachulski  
Staff Regulatory Specialist

JMP:ka

cc: Balcron Oil

Maxus Energy Corporation  
717 North Harwood Street  
Dallas, Texas 75201  
214 953-2000

11/1/91

**MAXUS**

TO: INTEREST OWNERS

SALES OF WELLS

MAXUS HAS SOLD ALL THEIR NORTH DAKOTA, MONTANA, UTAH, AND  
WYOMING (EXCEPT ALPHA FIELD in WYOMING) EFFECTIVE 11/1/91.

TO: BALCON OIL & GAS CO  
P. O. BOX 21017  
BILLINGS, MT 59104

PRODUCTION DEPT / JENICE FUGERE

PH: 406/259-7860

IT IS MY UNDERSTANDING THAT MAXUS WILL OPERATE THESE WELLS UNTIL  
NOVEMBER 1, 1991, ~~BUT THAT IS SUBJECT TO CHANGE~~. I JUST WANTED TO  
GIVE YOU THEIR NAME AND ADDRESS.

*Nancy Lawrence*

Nancy Lawrence / 214/953-2177  
Oil Accounting

RECEIVED

NOV 29 1991

DIVISION OF  
OIL GAS & MINING

UTAH  
NATURAL RESOURCE  
Oil, Gas & Mining355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. • (801-538-5340)Page 2 of 5

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ATTN NANCY LAWRENCE  
MAXUS EXPLORATION COMPANY  
717 N. HARWOOD, STE 2900  
DALLAS TX 75201-

Utah Account No. N0865  
Report Period (Month/Year) 12 / 91  
Amended Report ☐

Well Name	Producing	Days	Production Volume		
API Number      Entity      Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
ALLEN FEDERAL 12-6					
✓ 4301330582 01135 09S 17E 6	GRRV				
ALLEN FEDERAL 21-5					
✓ 4301330612 01140 09S 17E 5	GRRV				
CASTLE PK FED. 22-15					
✓ 4301330634 01150 09S 16E 15	GRRV				
CASTLE PK FED 24-15					
✓ 4301330631 01160 09S 16E 15	GRRV				
CASTLE PK FED 31-15					
✓ 4301330613 01165 09S 16E 15	GRRV				
CASTLE PK FED 33-15					
✓ 4301330632 01170 09S 16E 15	GRRV				
CASTLE PK FED 42-15					
✓ 4301330633 01175 09S 16E 15	GRRV				
CASTLE PK FED 44-10					
✓ 4301330630 01180 09S 16E 10	GRRV				
CASTLE PK ST 43-16					
4301330594 01181 09S 16E 16	GRRV	✓	ML-16532 (Have Doc. fr. Maxus - Need doc. fr. Be. laron)		
PAIUTE FED 34-8					
✓ 4301330778 01200 09S 17E 8	GRRV				
MOCON FED 44-7					
✓ 4301330666 01205 09S 17E 7	GRRV				
PAIUTE FED 11-17					
✓ 4301330516 01210 09S 17E 17	GRRV				
PAIUTE FED 14-4					
✓ 4301330671 01215 09S 17E 4	GRRV				
TOTAL					

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date \_\_\_\_\_

Authorized signature \_\_\_\_\_

Telephone \_\_\_\_\_



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 SOUTH 500 EAST  
VERNAL, UTAH 84078



IN REPLY REFER TO:

3162.3  
UT08438

JAN 02 1992

Equitable Resources Energy Company  
Attn: Bobbie Schuman  
P.O. Box 21017  
Billings, Montana 59104

Re: <sup>43-013-30632</sup> Well No. Castle Peak Federal 33-15  
NWSE, Sec. 15, T9S, R16E  
Lease U-017985  
Duchesne County, Utah

Dear Ms. Schuman:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Equitable Resources Energy Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. MT0576, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II  
Assistant District Manager for Minerals

cc: Maxus Exploration Company

RECEIVED

JAN 06 1992

DIVISION OF  
OIL, GAS & MINING

1- LCR
2- DTS
3- VLC
4- RJF
5- RWM
6- ADA 7- LCR

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent  
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 11-1-91)

(new operator) <u>BALCRON OIL</u> (address) <u>P. O. BOX 21017</u> <u>1601 LEWIS AVENUE BUILDING</u> <u>BILLINGS, MT 59104</u> phone <u>(406) 259-7860</u> account no. <u>N9890 (12-5-91)</u>	FROM (former operator) <u>MAXUS EXPLORATION COMPANY</u> (address) <u>717 N. HARWOOD, STE 2900</u> <u>DALLAS, TX 75201.</u> <u>JAMES PACHULSKI (WYO)</u> phone <u>(307) 266-1882</u> account no. <u>N 0865</u>
--	--

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____

# OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 10-10-91)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 10-9-91)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) If yes, show company file number: dba 097441. *(Owned by Equitable Resources Energy Company #134640)*
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(1-10-92)*
6. Cardex file has been updated for each well listed above. *(1-13-92)*
7. Well file labels have been updated for each well listed above. *(1-13-92)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(1-10-92)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date                      19    . If yes, division response was made by letter dated                      19    .

STATE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19    , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

INDEXING

1. All attachments to this form have been microfilmed. Date:                      19    .

INDEXING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

- 9/11/07 Btm/Vernal "No documentation as of yet."
- 9/11/25 Btm/Vernal "Have documentation - not approved as of yet." Will notify DoBm when approved.
- 9/11/25 Btm/Vernal " " "
- 9/11/231 Btm/Vernal " " "
- 9/20/10 Balceron/Bobby Schuman Reg. Transfer of Authority to Inject "Parlette Bench Unit #4" and
- 1/34-35 Sundry for operator change "Castlepeak St. 43-16."





## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DAWN SCHINDLER  
BALCRON OIL  
PO BOX 21017  
BILLINGS MT 59104

Utah Account No. N9890Report Period (Month/Year) 1 / 93Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
✓ 4301330612	ALLEN FEDERAL 21-5	01140 09S 17E 5	GRRV				
✓ 4301330634	CASTLE PK FED. 22-15	01150 09S 16E 15	GRRV				
✓ 4301330631	CASTLE PK FED 24-15	01160 09S 16E 15	GRRV				
✓ 4301330613	CASTLE PK FED 31-15	01165 09S 16E 15	GRRV				
✓ 4301330632	CASTLE PK FED 33-15	01170 09S 16E 15	GRRV				
✓ 4301330633	CASTLE PK FED 42-15	01175 09S 16E 15	GRRV				
✓ 4301330630	CASTLE PK FED 44-10	01180 09S 16E 10	GRRV				
✓ 4301330594	CASTLE PK ST 43-16	01181 09S 16E 16	GRRV				
✓ 4301330778	PAIUTE FED 34-8	01200 09S 17E 8	GRRV				
✓ 4301330666	MOCON FED 44-7	01205 09S 17E 7	GRRV				
✓ 4301330516	PAIUTE FED 11-17	01210 09S 17E 17	GRRV✓				
✓ 4301330671	PAIUTE FED 14-4	01215 09S 17E 4	GRRV				
✓ 4301330675	PAIUTE FED 24-8	01220 09S 17E 8	GRRV				
TOTAL							

Comments (attach separate sheet if necessary) \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_



EQUITABLE RESOURCES ENERGY COMPANY,  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860  
FAX: (406) 245-1361

March 4, 1993

State of Utah  
Uintah County  
152 East 100 North  
Vernal, UT 84078

Gentlemen:

Effective March 1, 1993, the name of our company has changed from Balcron Oil Company to Equitable Resources Energy Company, Balcron Oil Division.

Please make the necessary changes in your records and let me know if there is anything else we need to do in order to effect the change for the 1993 Uintah County Business License.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

RECEIVED

MAR 08 1993

DIVISION OF  
OIL GAS & MINING

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	LEC	7-DEC
2	DPS	8-DEC
3	VLC	
4	RJF	
5	RWM	
6	ADA	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-1-93)

TO (new operator) <u>EQUITABLE RESOURCES ENERGY CO</u> FROM (former operator) <u>BALCRON OIL</u>
(address) <u>BALCRON OIL DIVISION</u> (address) <u>PO BOX 21017</u>
<u>PO BOX 21017</u>
<u>BILLINGS MT 59104</u>
phone ( <u>406</u> ) <u>259-7860</u>
account no. <u>N 9890</u>

Well(s) (attach additional page if needed):

Name: <u>**ALL WELLS**</u>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 3-8-93)
- lec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: 134640.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-19-93)
- lec 6. Cardex file has been updated for each well listed above. (3-19-93)
- lec 7. Well file labels have been updated for each well listed above. (3-19-93)
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-19-93)
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- N/A 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) \*930319 Rec'd bond rider eff. 3-4-93.

- Sec 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #5578314/80,000 Belton Oil, A Division of Equitable Resources Energy Company.
- Sec 2. A copy of this form has been placed in the new and former operators' bond files. \*Upon completion of routing.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_ Today's date \_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_ 19\_\_\_\_.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases. see comments below

FILMING

- RWM 1. All attachments to this form have been microfilmed. Date: March 30 1993.

FILING

- Sec 1. Copies of all attachments to this form have been filed in each well file.
- Sec 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

930308 Btm 15.2. No change necessary, they always recognized company name as "Equitable Resources Energy Company, Belton Oil Division".

RECEIVED

SEP 20 1993

OPERATOR

ADDRESS

Balcron Oil

P.O. Box 21017

Billings MT 59104

OPERATOR ACCT. NO. H 9890

## DIVISION OF

OIL, GAS &amp; MINING

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	WELL NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	01180	11492	4301330630	Castle Peak 44-10	SE SE	10	9S	16E	Duchesne		7/1/93
WELL 1 COMMENTS: Jonah Unit											
D	01150	11492	4301330634	CP 22-15	SE NW	15	9S	16E	Duchesne		7/1/93
WELL 2 COMMENTS:											
D	01160	11492	4301330631	CP 24-15	SE SW	15	9S	16E	Duchesne		7/1/93
WELL 3 COMMENTS:											
D	01165	11492	4301330613	CP 31-15	NW NE	15	9S	16E	Duchesne		7/1/93
WELL 4 COMMENTS:											
D	01170	11492	4301330632	CP 33-15	NW SE	15	9S	16E	Duchesne		7/1/93
WELL 5 COMMENTS:											

## ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Dawn Schindler

Signature

Prod. Acct

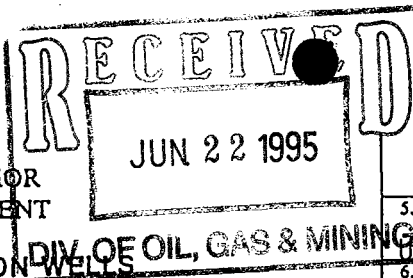
Title

9-15-93

Date

Phone No. (406) 259-7860

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW SE Section 15, T9S, R16E  
2341' FSL, 1790' FEL

5. Lease Designation and Serial No.

0-017985

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Castle Peak Federal #33-15

9. API Well No.

43-013-30632

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other oil spill  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On June 18, 1995, a spill of approximately 20 B0 occurred on this location due to corrosion and a leak in the tank. All remained within the dike. Cleanup should be completed June 23, 1995, weather permitting. At that time the tank will be cleaned and the decision made whether to repair the tank or replace it.

ORIGINAL: Bureau of Land Management, Vernal District  
COPY: Utah Division of Oil, Gas and Mining

14. I hereby certify that the foregoing is true and correct

Signed

*Dobbie Schuman*

Title

Regulatory and  
Environmental Specialist

Date

*June 20, 1995*

(This space for Federal or State Office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 4 of 11

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION  
 EQUITABLE RESOURCES ENERGY  
 1601 LEWIS AVE  
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 3 / 96AMENDED REPORT ☐ (Highlight Changes)

Well Name API Number      Entity      Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ CASTLE PK FED 44-10 4301330630 11492 09S 16E 10	GRRV					
✓ CASTLE PK FED 24-15 4301330631 11492 09S 16E 15	GRRV					
✓ CASTLE PK FED 33-15 4301330632 11492 09S 16E 15	GRRV					
✓ CASTLE PK FED 42-15 4301330633 11492 09S 16E 15	GRRV					
✓ CASTLE PK FED. 22-15 4301330634 11492 09S 16E 15	GRRV					
✓ MONUMENT BUTTE 1-23 01330646 11492 09S 16E 1	GRRV					
✓ MONUMENT BUTTE 1-14 4301330703 11492 09S 16E 1	GRRV					
✓ MONUMENT BUTTE 1-43 4301330734 11492 09S 16E 1	GRRV					
✓ MONUMENT BUTTE 1-34 4301330736 11492 09S 16E 1	GRRV					
✓ GETTY 12-1 4301330889 11492 09S 16E 12	GRRV					
✓ GETTY 7A 4301330926 11492 09S 17E 7	GRRV					
✓ GETTY 7C 4301330961 11492 09S 17E 7	GRRV					
✓ MONUMENT FEDERAL 23-5J 4301331383 11492 09S 17E 5	GRRV					
<b>TOTALS</b>						

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

UTAH

Boll Weevil Federal #26-13	Undesignated	NW SW	26	8S	16E	Duchesne	UT	OTA	Green River	U-34346	43-013-30770	1980' FSL, 660' FWL	Vernal	
C&O Gov't #1	Monument Butte	NW SW	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-15111	1905' FSL, 660' FWL	Vernal	Jonah
C&O Gov't #2	Monument Butte	NW SE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-15112	1980' FSL, 2080' FEL	Vernal	Jonah
C&O Gov't #4	Monument Butte	NE SW	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521-A	43-013-30742	2140' FSL, 1820' FWL	Vernal	Jonah
Castle Peak Federal #22-15	Monument Butte	SE NW	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30634	2125' FNL, 2006' FWL	Vernal	Jonah
Castle Peak Federal #24-10A	Monument Butte	SE SW	10	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30555	660' FSL, 1980' FWL	Vernal	
Castle Peak Federal #24-15	Monument Butte	SE SE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30631	720' FSL, 2050' FWL	Vernal	Jonah
Castle Peak Federal #31-15	Monument Butte	NW NE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30613	548' FNL, 2062' FEL	Vernal	Jonah
Castle Peak Federal #33-15	Monument Butte	NW SE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30632	2341' FSL, 1790' FEL	Vernal	Jonah
Castle Peak Federal #42-15	Monument Butte	SE NE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30633	1820' FNL, 820' FEL	Vernal	Jonah
Castle Peak Federal #44-10	Monument Butte	SE SE	10	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30630	557' FSL, 667' FEL	Vernal	Jonah
Castle Peak State #43-16	Monument Butte	NE SE	16	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30594	1820' FSL, 820' FEL	Vernal	Castle Peak
Chorney Federal #1-9	Pariette Bench	SE SW	9	9S	19E	Uintah	UT	OSI	Green River	U-5843	43-047-30070	660' FSL, 1980' FWL	Vernal	
Cobra Federal #42-35	Wildcat	SE NE	35	15S	19W	Millard	UT	PND	Paleozoic	UTU-66504		1600' FNL, 660' FEL	Fillmore	
Coyote Basin #1-12	Coyote Basin	NE SE	12	8S	24E	Uintah	UT	Oil	Green River	U-58226	43-047-20221	1830' FSL, 1980' FWL	Vernal	Coyote Basin
Coyote Basin #32-6	Coyote Basin	SW NE	6	8S	25E	Uintah	UT	WTR	Green River	U-20309-D	43-047-31835	1900' FNL, 2200' FEL	Vernal	Coyote Basin
Coyote Basin Federal #12-13	Coyote Basin	SW NW	13	8S	24E	Uintah	UT	Oil	Green River	U-018073	43-047-31266	2098' FNL, 689' FWL	Vernal	Coyote Basin
Coyote Basin Federal #21-7	Coyote Basin	NE NW	7	8S	25E	Uintah	UT	Oil	Green River	U-41377	43-047-31673	591' FNL, 1858' FWL	Vernal	Coyote Basin
Coyote Basin Federal #43-12	Coyote Basin	NE SE	12	8S	24E	Uintah	UT	Oil	Green River	U-038797	43-047-30943	2140' FSL, 820' FEL	Vernal	Coyote Basin
D. Duncan State #16-5	Monument Butte	SW NW	16	9S	17E	Duchesne	UT	Oil	Green River	State ML-3453-B	43-013-30570	1922' FNL, 865' FWL		Beluga
DMD Federal #17-1	Monument Butte	NE SE	17	9S	17E	Duchesne	UT	Oil (SI)	Green River	U-44430	43-013-30689		Vernal	Beluga
East Red Wash Federal #1-12	Coyote Basin	SW NE	12	8S	24E	Uintah	UT	Oil	Green River	U-038797	43-047-20207	1980' FNL, 1980' FEL	Vernal	Coyote Basin
East Red Wash Federal #1-13	Coyote Basin	NE NW	13	8S	24E	Uintah	UT	Oil	Green River	U-018073	43-047-20222	660' FNL, 1980' FWL	Vernal	Coyote Basin
East Red Wash Federal #1-5	Coyote Basin	SE NW	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A	43-047-20174	1989' FNL, 2105' FWL	Vernal	Coyote Basin
East Red Wash Federal #1-6	Coyote Basin	SE NE	6	8S	25E	Uintah	UT	Oil	Green River	U-017439-B	43-047-20208	1980' FSL, 660' FEL	Vernal	Coyote Basin
East Red Wash Federal #2-5	Coyote Basin	NW NW	5	8S	25E	Uintah	UT	OTA	Green River	U-063597-A	43-047-20252	800' FNL, 525' FWL	Vernal	Coyote Basin
East Red Wash Federal #4-6	Coyote Basin	SW SE	6	8S	25E	Uintah	UT	WIW	Green River	U-20309-D	43-047-20261	660' FSL, 1980' FEL	Vernal	Coyote Basin
Federal #1-18	Monument Butte	NW NE	18	9S	17E	Duchesne	UT	OSI	Green River	U-3563	43-013-30332	636' FNL, 2186' FEL	Vernal	Beluga
Federal #1-26	Monument Butte	NE NW	26	8S	17E	Uintah	UT	Oil	Green River	UTU-67845	43-047-31953	461' FNL, 1880' FWL	Vernal	
Federal #13-13	Coyote Basin	NW SW	13	8S	24E	Uintah	UT	Oil	Green River	U-67208	43-047-32196	1976' FSL, 598' FWL	Vernal	Coyote Basin
Federal #14-4	Coyote Basin	SW SW	4	8S	25E	Uintah	UT	Oil	Green River	UTU-41376	43-047-15678	510' FSL, 660' FWL	Vernal	Coyote Basin
Federal #2-1	Monument Butte	NE NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-30603	784' FNL, 812' FEL	Vernal	Jonah
Federal #22-25	Monument Butte	SE NW	25	8S	17E	Uintah	UT	Oil	Green River	UTU-67845	43-047-32008	1667' FNL, 1773' FWL	Vernal	
Getty #12-1	Monument Butte	NW NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426	43-013-30889	501' FNL, 2012' FEL	Vernal	Jonah
Getty #7-A	Monument Butte	NE NE	7	9S	17E	Duchesne	UT	Oil	Green River	U-44426	43-013-30926	761' FNL, 664' FEL	Vernal	Jonah





**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

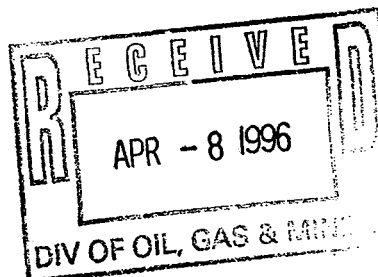
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See attached listing

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See attached listing

8. Well Name and Number:

See attached listing

9. API Well Number:

See attached listing

10. Field and Pool, or Wildcat:

See attached listing

County: See attached list

State: UTAH

### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

#### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

#### SUBSEQUENT REPORT (Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                      | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                                | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                              | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                         | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> |   |

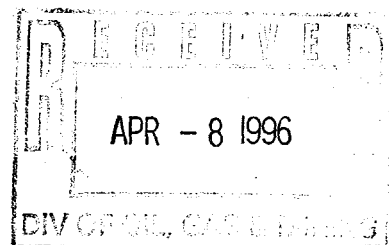
Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.



13. Name and Signature: Bobbie Schuman  
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining  
OPERATOR CHANGE WORKSHEET

Routing:

1	LEP 7-SJ
2	DE 58-FILE
3	VLD (GTH)
4	RJE
5	LEP
6	FILE

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ~~XXX~~ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator) <u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator) <u>EQUITABLE RESOURCES ENERGY CO</u>
(address) <u>1601 LEWIS AVE</u> (address) <u>BALCRON OIL DIVISION</u>
<u>BILLINGS MT 59102-4126</u>
<u>phone (406) 259-7860</u>
<u>account no. N9890</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>013-30632</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 4-4-96 & 4-8-96)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- See 6. Cardex file has been updated for each well listed above. (4-11-96)
- See 7. Well file labels have been updated for each well listed above. (4-11-96)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

# 5578314 (\$80,000) Seleo Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- \_\_\_ 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_. Today's date \_\_\_\_\_ 19\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_.

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/20/96 2. Copies of documents have been sent to State Lands for changes involving State leases.
- DTS Sent to Ed Bonner - Trust Lands

### FILMING

- Yes 1. All attachments to this form have been microfilmed. Date: May 20 1996.

### FILING

- \_\_\_ 1. Copies of all attachments to this form have been filed in each well file.
- \_\_\_ 2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

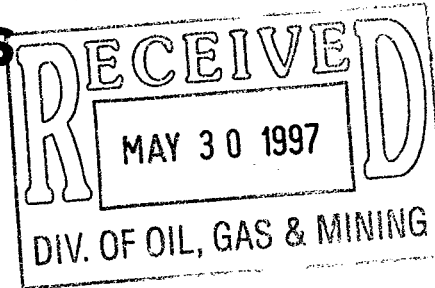
9/6/04/10 BLM/BIA "Formal approval not necessary"



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102



Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☐

May 27, 1997

Utah Board Of Oil, Gas, & Mining  
1594 West North Temple  
Suite-1220  
Salt Lake City, Utah 84114

In accordance with your request please find enclosed the 1997 produced water analysis for the Uinta Basin waterflood and water disposal operations which are operated by Equitable Resources Energy Company. These water analysis are for wells that are re-injecting or disposing produced water back into the Green River Formation via the following facilities:

Jonah Secondary Recovery Unit  
Beluga Secondary Recovery Unit  
Coyote Basin Secondary Recovery Unit  
Castle Draw (State Section-2) Pilot Waterflood  
Pariette Bench Water Disposal Well #4

Equitable Resources Energy Company inadvertently failed to submit a copy of these water analysis when they were sent to the EPA and BLM. If there are any questions please contact me at our Billings, Montana office at 406-259-7860.

Respectfully,

John Zellitti  
District Production Engineer

## Water Analysis Report

**Customer :** EREC - Western Oil Company

**Address :** 1601 Lewis Avenue

**City :** Billings

**State :** MT **Postal Code :** 59104-

**Attention :** John Zellitti

**cc1 :** Dan Farnsworth

**cc2 :** Joe Ivey

**cc3 :**

*Jonah Unit*  
**Field :** Monument Butte Field

**Lease :** Castle Peak Lease

**Location :** Well No. 33-15

**Sample Point :** wellhead

**Date Sampled :** 23-Jan-97

**Date Received :** 23-Jan-97

**Date Reported :** 08-Feb-97

**Salesman :** Lee Gardiner

**Analyst :** Karen Hawkins Allen

### CATIONS

**Calcium :** 96 mg/l  
**Magnesium :** 83 mg/l  
**Barium :** 0 mg/l  
**Strontium :** 0 mg/l  
**Iron :** 1.0 mg/l  
**Sodium :** 3447 mg/l  
  
**pH (field) :** 8.37  
**Temperature :** 85 degrees F  
**Ionic Strength :** 0.16  
  
**Resistivity :** ohm/meters  
**Ammonia :** ppm

**Comments :**

### ANIONS

**Chloride :** 5,400 mg/l  
**Carbonate :** 72 mg/l  
**Bicarbonate :** 366 mg/l  
**Sulfate :** 155 mg/l  
  
**Specific Gravity :** 1.01 grams/ml  
**Total Dissolved Solids :** 9,620 ppm  
**CO2 in Water :** 1 mg/l  
**CO2 in Gas :** 0.03 mole %  
**H2S in Water :** 0.0 mg/l  
**O2 in Water :** 0.000 ppm

### SI calculations based on Tomson-Oddo

<b>Calcite (CaCO3) SI :</b>	0.86	<b>Calcite PTB :</b>	61.0
<b>Gypsum (CaSO4) SI :</b>	-2.30	<b>Gypsum PTB :</b>	N/A
<b>Barite (BaSO4) SI :</b>	N/A	<b>Barite PTB :</b>	N/A
<b>Celestite (SrSO4) SI :</b>	N/A	<b>Celestite PTB :</b>	N/A

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 4 of 14

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
 EQUITABLE RESOURCES ENERGY  
 PO BOX 577  
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 9 / 97AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ CASTLE PK FED 33-15								
4301330632	11492	09S 16E 15	GRRV			6017985	Jonah (Er) Unit	
✓ CASTLE PK FED 42-15								
4301330633	11492	09S 16E 15	GRRV			"		
✓ CASTLE PK FED. 22-15								
4301330634	11492	09S 16E 15	GRRV			"		
✓ MONUMENT BUTTE 1-23								
4301330646	11492	09S 16E 1	GRRV			618399		
✓ MONUMENT BUTTE 1-14								
4301330703	11492	09S 16E 1	GRRV			"		
✓ MONUMENT BUTTE 1-43								
4301330734	11492	09S 16E 1	GRRV			652013		
✓ MONUMENT BUTTE 1-34								
4301330736	11492	09S 16E 1	GRRV			"		
✓ GETTY 12-1								
4301330889	11492	09S 16E 12	GRRV			644426		
✓ GETTY 7A								
4301330926	11492	09S 17E 7	GRRV			"		
✓ GETTY 7C								
4301330961	11492	09S 17E 7	GRRV			"		
✓ MONUMENT FEDERAL 23-5J								
4301331383	11492	09S 17E 5	GRRV			6020252		
✓ MONUMENT FEDERAL 14-5								
4301331385	11492	09S 17E 5	GRRV			"		
✓ MONUMENT FEDERAL 24-12J								
4301331409	11492	09S 16E 12	GRRV			6035521A	✓	
<b>TOTALS</b>								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion                        | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

• Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 1 6 1997

13.

Name & Signature:

*Chris A. Potter*

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)





# EQUITABLE RESOURCES ENERGY COMPANY

## WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad

Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: Lisha  
St of Utah.

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE:

Here is the letter you requested.  
Call if you need anything  
further.

## INLAND

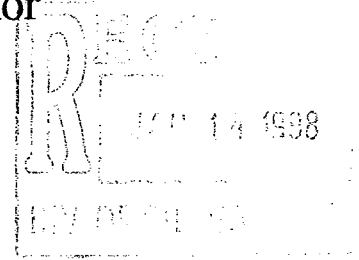
Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ BALCRON FEDERAL #24-3Y	SESW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31397-00	UTU75037	
✓ BALCRON FEDERAL #44-4Y	SESE 4 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31452-00	UTU65967	
✓ BALCRON FEDERAL #14-3Y	SW SW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31535-00	UTU75037	
✓ MONUMENT FEDERAL #11-11Y	NW NW 11 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31593-00	UTU65210	
✓ MONUMENT FEDERAL #31-5-9-17	NW NE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31680-00	UTU74808	
ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #12-5	SWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30611-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #12-6	SWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30582-00	UTU020252A	UTU72086A
ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #21-5	NENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30612-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #21-6	LOT3 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30584-00	UTU020252A	UTU72086A
ALLEN FEDERAL #22-6	SENW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #23-6	NESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30558-00	UTU020252A	UTU72086A
ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #32-6	SWNE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30559-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #34-6	SWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30586-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #41-6	NENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30581-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #43-6	NESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30583-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL A #1	NWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15780-00	UTU020252	UTU72086A
✓ C&O GOV'T #1	NWSW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15111-00	UTU035521A	UTU72086A
✓ C&O GOV'T #2	NWSE 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15112-00	UTU035521	UTU72086A
C&O GOV'T #4	NESW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ CASTLE PEAK FEDERAL #22-15	SENW 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30634-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #24-15	SESW 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30631-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #31-15	NWNE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30613-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #33-15	NWSE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30632-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #44-10	SESE 10 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30630-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #42-15	SENE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30633-00	UTU017985	UTU72086A
✓ FEDERAL #2-1	NENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30603-00	UTU33992	UTU72086A
✓ GETTY #12-1	NWNE 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30889-00	UTU44426	UTU72086A
✓ GETTY #7-A	NENE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30926-00	UTU44426	UTU72086A
✓ GETTY #7-C	NENW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30961-00	UTU44426	UTU72086A
✓ GOATES FEDERAL #1	SESW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15789-00	UTU096547	UTU72086A
✓ GOATES FEDERAL #3	NWNW 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15791-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #1-14	SWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30703-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-23	NESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30646-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-34	SWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30736-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-43	NESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30734-00	UTU52013	UTU72086A



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
UT-931

January 13, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Jonah (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
~~Division of Oil, Gas & Mining~~  
Minerals Adjudication Group U-932  
File - Jonah (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SENW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SENW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SENW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SENW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

## OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-IEC	6-VLD
2-GCH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

<b>TO: (new operator)</b> <u>INLAND PRODUCTION COMPANY</u> (address) <u>PO BOX 1446</u> <u>ROOSEVELT UT 84066</u>  Phone: <u>(801) 722-5103</u> Account no. <u>N5160</u>	<b>FROM: (old operator)</b> <u>EQUITABLE RESOURCES ENERGY</u> (address) <u>PO BOX 577</u> <u>LAUREL MT 59044</u> <u>C/O CRAZY MTN O&amp;G SVS</u> Phone: <u>(406) 628-4164</u> Account no. <u>N9890</u>
---	--

WELL(S) attach additional page if needed:

**\*JONAH (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-30632</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-13-97)*
3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-14-98) \* UIC/Que Hro Pro 1-14-98 & UIC/DBase 1-14-98.*
6. **Cardex** file has been updated for each well listed above.
7. **Well file labels** have been updated for each well listed above.
8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-14-98)*
9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.



## ENTITY REVIEW

- Y 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*Entity 11492 "Jonah (GP) Unit"*
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- N/A 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no)   , as of today's date   . If yes, division response was made to this request by letter dated   .

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on    to    at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated    19   , of their responsibility to notify all interest owners of this change.

## FILMING

- Y 1. All attachments to this form have been microfilmed. Today's date: 2.3.98.

## FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

## COMMENTS

980114 btm/SL Aprv. eff. 1-13-98.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-017985**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**JONAH**

8. Well Name and No.

**CASTLE PK FED 33-15**

9. API Well No.

**43-013-30632**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2341 FSL 1790 FEL NW/SE Section 15, T09S R16E**

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

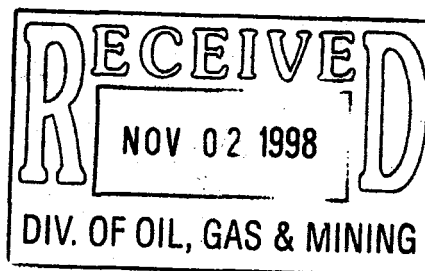
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Site Security**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

*Debbie E. Knight*

Title

**Manager, Regulatory Compliance**

Date

**10/28/98**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

# Inland Production Company

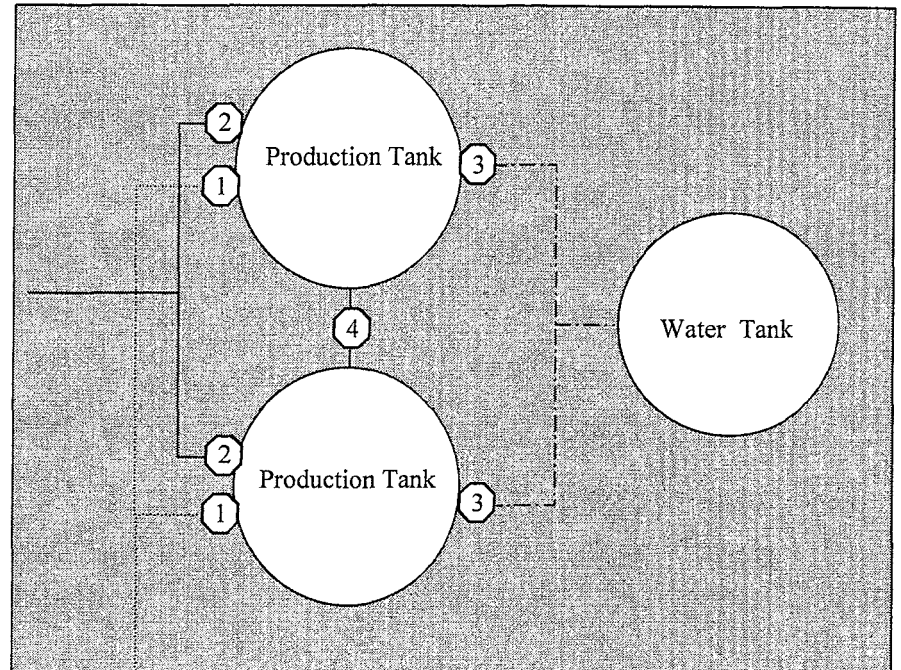
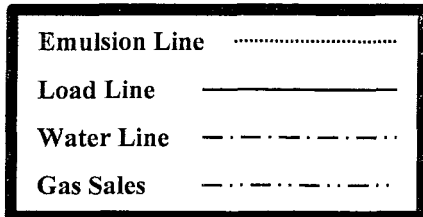
## Site Facility Diagram

Castle Peak 33-15

NW/SE Sec. 15, T9S, 16E

Duchesne County

Sept. 17, 1998



Site Security Plan is held at the Roosevelt Office,  
Roosevelt Utah

### Production Phase:

- 1) Valves 1 and 3 sealed closed
- 2) Valves 2 and 4 sealed open

### Sales Phase:

- 1) Valves 3 & 4 sealed closed
- 2) Valves 1 open

### Draining Phase:

- 1) Valve 3 open



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office  
From: Acting Chief, Branch of Fluid Minerals  
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

Corporations Section  
P.O.Box 13697  
Austin, Texas 78711-3697



Geoffrey S. Connor  
Secretary of State

## Office of the Secretary of State

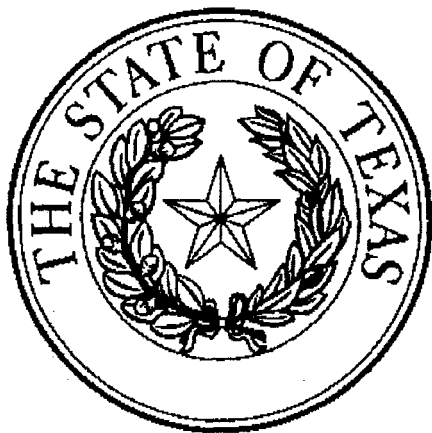
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****JONAH (GREEN RIVER)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT BUTTE 1-23	01	090S	160E	4301330646	11492	Federal	OW	S
MON BUTTE 1-24	01	090S	160E	4301330701	11492	Federal	WI	A
MON BUTTE 1-13	01	090S	160E	4301330702	11492	Federal	WI	A
MONUMENT BUTTE 1-14	01	090S	160E	4301330703	11492	Federal	OW	S
MONUMENT BUTTE 1-43	01	090S	160E	4301330734	11492	Federal	OW	P
MON BUTTE 1-33	01	090S	160E	4301330735	11492	Federal	WI	A
MONUMENT BUTTE 1-34	01	090S	160E	4301330736	11492	Federal	OW	P
CASTLE PK FED 44-10	10	090S	160E	4301330630	11492	Federal	OW	P
GOVT C&O 4	12	090S	160E	4301330742	11492	Federal	WI	A
GETTY 12-1	12	090S	160E	4301330889	11492	Federal	OW	S
CASTLE PK FED 31-15	15	090S	160E	4301330613	11492	Federal	OW	P
CASTLE PK FED 24-15	15	090S	160E	4301330631	11492	Federal	OW	P
CASTLE PK FED 33-15	15	090S	160E	4301330632	11492	Federal	OW	S
CASTLE PK FED 42-15	15	090S	160E	4301330633	11492	Federal	OW	P
CASTLE PK FED 22-15	15	090S	160E	4301330634	11492	Federal	OW	P
ALLEN FED 12-5	05	090S	170E	4301330611	11492	Federal	OW	P
ALLEN FED 21-5	05	090S	170E	4301330612	11492	Federal	OW	P
ALLEN FED 13-6	06	090S	170E	4301330918	11492	Federal	WI	A
ALLEN FED 22-6	06	090S	170E	4301330919	11492	Federal	WI	A
GETTY 7A	07	090S	170E	4301330926	11492	Federal	OW	P

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:



6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

#### DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

#### FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

#### INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

#### FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

#### LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

#### COMMENTS:

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

5. Lease Serial No.  
UTU-017985  
6. If Indian, Allottee or Tribe Name.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

7. If Unit or CA/Agreement, Name and/or  
JONAH UNIT

8. Well Name and No.  
CASTLE PK FED 33-15

9. API Well No.  
4301330632

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2341 FSL 1790 FEL  
NWSE Section 15 T9S R16E

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	_____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

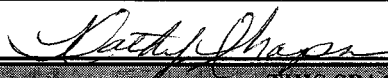
Newfield requests a change of status to TA this well. Newfield plans to return the well to production after surface equipment repairs and acid job.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Kathy Chapman

Signature



Title

Office Manager

Date

02/05/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**FEB 06 2008**

**DIV. OF OIL, GAS & MINING**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.


1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-017985
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: JONAH UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052	PHONE NUMBER 435.646.3721	7. UNIT or CA AGREEMENT NAME: JONAH UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2341 FSL 1790 FEL		8. WELL NAME and NUMBER: CASTLE PK FED 33-15
OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE, 15, T9S, R16E		9. API NUMBER: 4301330632
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 04/16/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Change status
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield has completed the surface equipment on the above mentioned well. Therefore we are able to place this well on production. It went on production 4-16-08, at 4:00pm.

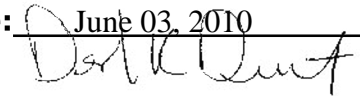
NAME (PLEASE PRINT) Kathy Chapman	TITLE Office Manager
SIGNATURE 	DATE 04/17/2008

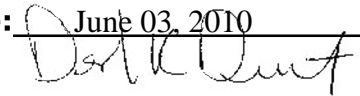
(This space for State use only)

**RECEIVED**

**APR 18 2008**

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-017985			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> CASTLE PK FED 33-15			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2341 FSL 1790 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 15 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013306320000			
<b>PHONE NUMBER:</b> 303 382-4443 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE			
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/1/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: _____         </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____
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<b>Accepted by the Utah Division of Oil, Gas and Mining</b>		<b>Date:</b> June 03, 2010 <b>By:</b> 			
<b>NAME (PLEASE PRINT)</b> Sam Styles	<b>PHONE NUMBER</b> 303 893-0102	<b>TITLE</b> Engineering Tech			
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/24/2010			

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-017985			
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<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> CASTLE PK FED 33-15			
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<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
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<b>Accepted by the Utah Division of Oil, Gas and Mining</b>		<b>Date:</b> June 03, 2010 <b>By:</b> 			
<b>NAME (PLEASE PRINT)</b> Sam Styles	<b>PHONE NUMBER</b> 303 893-0102	<b>TITLE</b> Engineering Tech			
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/24/2010			

**NEWFIELD**



**Newfield Exploration Company**

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

February 8, 2013

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Castle Peak Federal #33-15-9-16  
Monument Butte Field, Lease #UTU-017985  
Section 15-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Castle Peak Federal #33-15-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Eric Sundberg  
Environmental Manager

**RECEIVED**  
**FEB 12 2013**  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**CASTLE PEAK FEDERAL #33-15-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-017985**  
**FEBRUARY 8, 2013**

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COMPLETED RULE R615-5-2 QUESTIONNAIRE	
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ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – CASTLE PEAK FEDERAL #33-15-9-16
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ATTACHMENT E-4	WELLBORE DIAGRAM – MONUMENT FEDERAL #23-15-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – MONUMENT FEDERAL #32-15J-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – MONUMENT FEDERAL #41-15J-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – JONAH #B-15-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – JONAH #P-14-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – JONAH #5-14-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – JONAH #15-15-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – JONAH FEDERAL #12-14-9-16
ATTACHMENT E-12	WELLBORE DIAGRAM – JONAH FEDERAL #16-15-9-16
ATTACHMENT E-13	WELLBORE DIAGRAM – JONAH FEDERAL #K-15-9-16
ATTACHMENT E-14	WELLBORE DIAGRAM – GREATER MONUMENT BUTTE #C-15-9-16
ATTACHMENT E-15	WELLBORE DIAGRAM – GMBU #H-15-9-16
ATTACHMENT E-16	WELLBORE DIAGRAM – GREATER MONUMENT BUTTE #I-15-9-16
ATTACHMENT E-17	WELLBORE DIAGRAM – GREATER MONUMENT BUTTE #F-14-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 1/8/97 – 1/11/97
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

Well Name and number: Castle Peak Federal #33-15-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-017985  
Well Location: QQ NWSE section 15 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? ..... Yes ☒ No ☐

Will the proposed well be used for: Enhanced Recovery? ..... Yes ☒ No ☐  
Disposal? ..... Yes ☐ No ☒  
Storage? ..... Yes ☐ No ☒

Is this application for a new well to be drilled? ..... Yes ☐ No ☒

If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes ☐ No ☒

Date of test: \_\_\_\_\_


API number: 43-013-30632

Proposed injection interval: from 3902 to 5934  
Proposed maximum injection: rate 500 bpd pressure 763 psig  
Proposed injection zone contains ☒ oil, ☐ gas, and/or ☐ fresh water within 1/2  
mile of the well.

**IMPORTANT:** Additional information as required by R615-5-2 should  
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature   
Title Environmental Manager Date 2/8/13  
Phone No. (303) 893-0102

(State use only)

Application approved by \_\_\_\_\_ Title \_\_\_\_\_

Approval Date \_\_\_\_\_

Comments:

# Castle Peak Federal #33-15

Put on Production: 6/2/1982

## Proposed Injection Wellbore Diagram

Elev GL @ 5745'  
Elev KB @ 5759' (14' KB)

### SURFACE CASING

8 5/8", 24#, K-55  
6 jts @ 243.35'  
Landed @ 253' KB  
Hole Size @ 12 1/4"  
Cemented w/200 sx Class G w/ 2%  
CaCl & 1/4#/sx Flocele. Cemented  
to surface.

### PRODUCTION CASING

5 1/2", 15.5#, K-55  
143 jts @ 5981'  
Landed @ 5979' KB  
Hole Size @ 7 7/8"  
Cemented w/645 sx Class G & 750  
sx 10.0 RFC w/ additives.  
Cement Top @ 224' from CBL

### TUBING

SIZE/GRADE/WT.: 2 7/8", 6.5 lbs  
NO. OF JOINTS: 187 jts. (5712.4')  
TUBING ANCHOR: 5712.4'  
NO. OF JOINTS: 1 jts. (32.2')  
SEATING NIPPLE: 2 3/8" (1.1')  
PERF. SUB: 2-3/8"x4.00'  
MUD ANCHOR: 2 3/8" x 30'  
TOTAL STRING LENGTH: 5810'  
SN LANDED AT: 5747.4'  
NO. OF JOINTS: 2 jts (60.9')

TOC @ 224' ---  
253' KB --->

### ACID JOBS

5217'-5230' KB 1000 gal 7.5% HCl  
5471'-5543' KB 2000 gal 7.5% HCl  
5656'-5776' KB 1000 gal 7.5% HCl

### FRAC JOBS

5217'-5230' KB 5-18-82: w/Western. 20000 gal Apollo 40  
w/28500# 20-40 sand & 12000# 10-20 sand.  
ATR 10 BPM @ 2500 psi, max 2600 psi. ISIP  
@ 2450 psi, 15 - 2200 psi, 20 - 2200 psi.  
5471'-5543' KB 5-16-82: w/Western. 50000 gal Apollo 40  
w/75000# 20-40 sand & 20000# 10-20 sand.  
ATR 20 BPM @ 1700 psi, max 1800 psi. ISIP  
@ 1700 psi, 15 - 1600 psi, 20 - 1550 psi.  
5656'-5776' KB 5-14-82: w/Western. 3850 gal Apollo 40  
w/3200# 20-40 sand. 8 Ball sealers pumped,  
sand screened out before balls hit perms.  
ATR 10 BPM @ 1600 psi, max 3800 psi.  
ISIP 800 psi, 15 - 0.

11/19/08 Tubing Leak. Updated rod & tubing details.  
1/19/2010 Tubing Leak. Updated rod and tubing detail.

Packer @ 5167'  
5217'-5230'

5471'-5505'

5522'-5543'

5656'-5664'

5760'-5776'

SN Landed @ 5807' KB  
PBTD @ 5934' KB  
TD @ 5980' KB



CASTLE PEAK FEDERAL #33-15  
Jonah Unit/Monument Butte Field  
Lease No. U-017985 API# 43-013-30632  
NW SE Sec. 15, T9S, R16E  
Duchesne Co., Utah

JL 12/18/2012

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Castle Peak Federal #33-15-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Castle Peak Federal #33-15-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3902' - 5934'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3580' and the TD is at 5980'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Castle Peak Federal #33-15-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-017985) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
  - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 253' KB, and 5-1/2", 15.5# casing run from surface to 5979' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed maximum injection pressure will not exceed 763 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Castle Peak Federal #33-15-9-16, for existing perforations (5217' - 5776') calculates at 0.57 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 763 psig. We may add additional perforations between 3580' and 5980'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Castle Peak Federal #33-15-9-16, the proposed injection zone (3902' - 5934') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-17.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

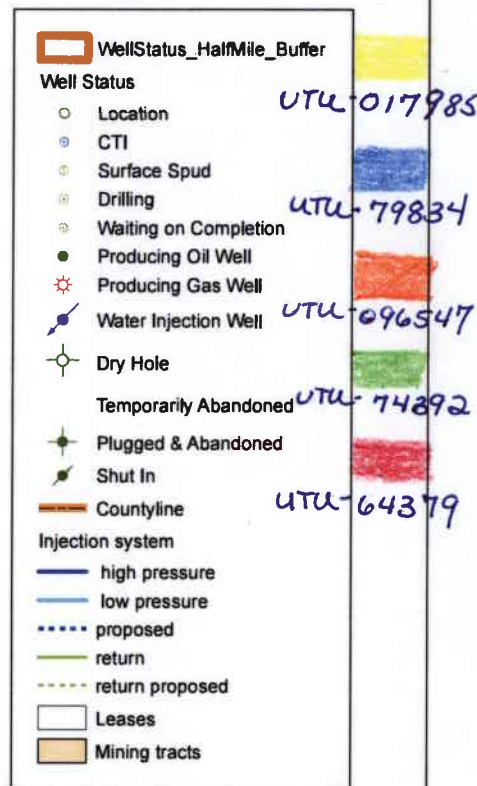
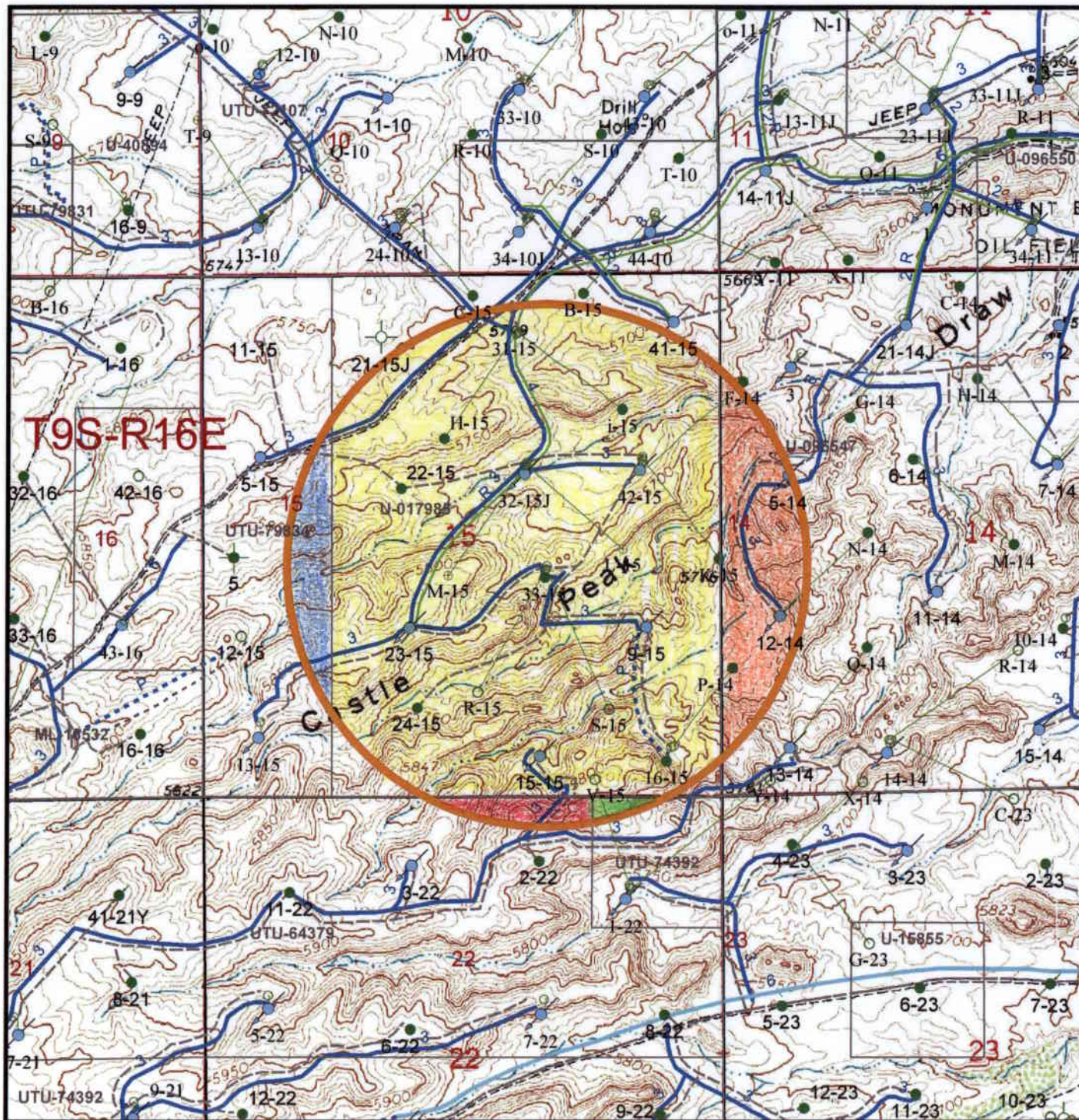
- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.





Castle Peak Fed 33-15  
Section 15, T9S-R16E

**NEWFIELD**



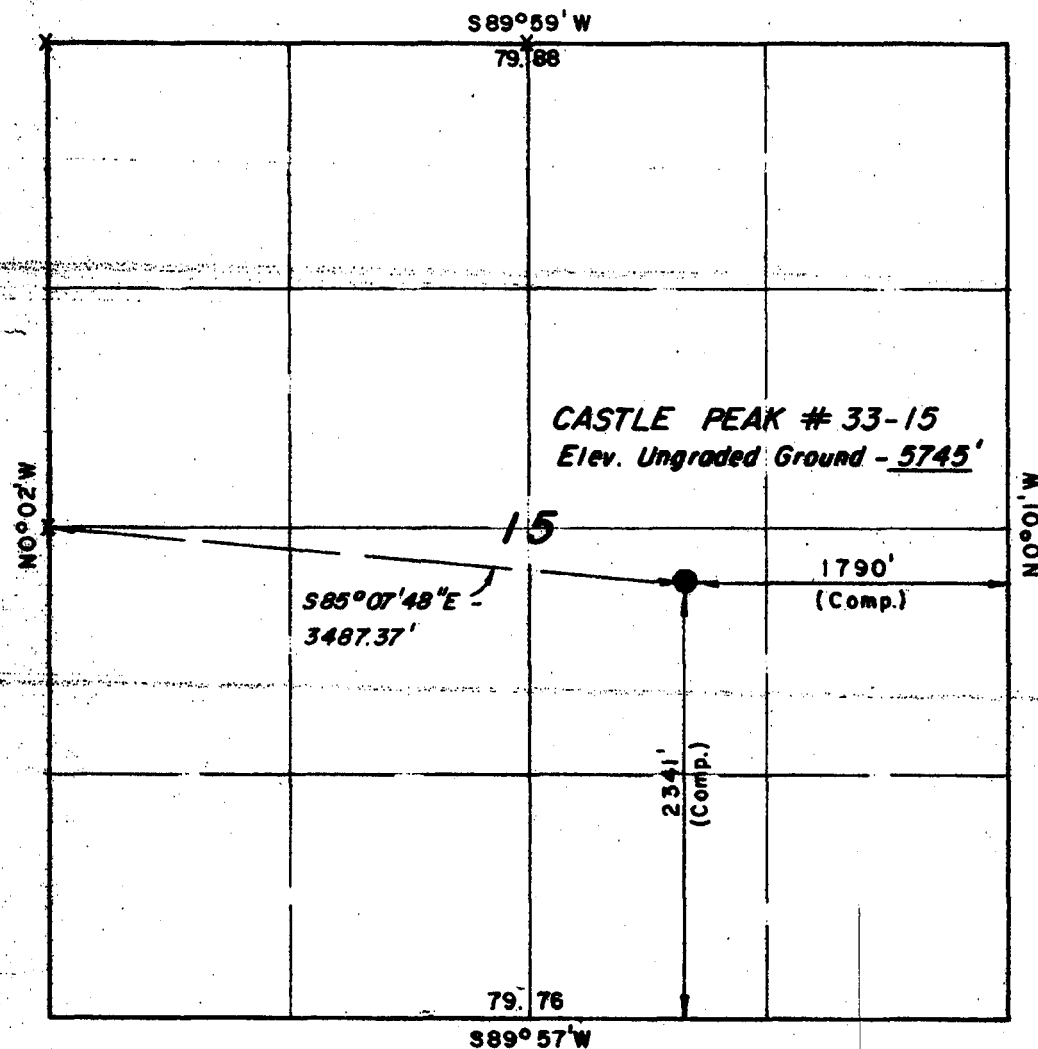
**1/2 Mile Radius Map**  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

December 18, 2012



T 9 S , R 16 E , S . L . B . &amp; M .

PROJECT  
DIAMOND SHAMROCK CORP.Well location, CASTLE PEAK # 33-15,  
located as shown in the NW 1/4 SE 1/4  
Section 15, T9S, R16E, S.L.B. & M.  
Duchesne County, Utah.

X = Section Corners Located



## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Deane Stewart*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	12/25/81
PARTY	GS TJ JP RP	REFERENCES	GLO Plat
WEATHER	Clear / Cold	FILE	DIAMOND SHAMROCK

**EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 10: S2SE Section 15: E2, E2W2	USA UTU-017985 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation ABO Petroleum Corp Myco Industries Inc Oxy Y-1 Company	USA
2	T9S-R16E SLM Section 15: W2W2	USA UTU-79834 HBP	Newfield Production Company Newfield RMI LLC	USA
3	T9S-R16E SLM Section 11: W2SW, SESW Section 14: SWNE, W2, W2SE, SESE	USA UTU-096547 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation ABO Petroleum Corp Myco Industries Inc Oxy Y-1 Company	USA
4	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation ABO Petroleum Corp Myco Industries Inc Oxy Y-1 Company	USA

5	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 8: SWNE, SE	UTU-64379	Newfield RMI LLC	
	Section 9: SWSW	HBP	Yates Petroleum Corporation	
	Section 17: NE			
	Section 18: E2SW, SE, Lots 3, 4			
	Section 19: NE, E2NW, Lots 1,2			
	Section 21: N2			
	Section 22: W2NE, SENE, NW			


ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Castle Peak Federal #33-15-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

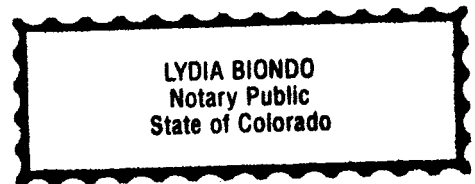
Signed: \_\_\_\_\_

  
Newfield Production Company  
Eric Sundberg  
Environmental Manager

Sworn to and subscribed before me this 8<sup>th</sup> day of February, 2013.

Notary Public in and for the State of Colorado: Lydi Biondo

My Commission Expires: 12/31/15



## Castle Peak Federal #33-15

Put on Production: 6/2/1982

## Wellbore Diagram

Elev GL @ 5745'  
Elev KB @ 5759' (14' KB)

## SURFACE CASING

8 5/8", 24#, K-55  
6 jts @ 243.35'  
Landed @ 253' KB  
Hole Size @ 12 1/4"  
Cemented w/200 sx Class G w/ 2%  
CaCl & 1/4#/sx Flocele. Cemented  
to surface.

## PRODUCTION CASING

5 1/2", 15.5#, K-55  
143 jts @ 5981'  
Landed @ 5979' KB  
Hole Size @ 7 7/8"  
Cemented w/645 sx Class G & 750  
sx 10.0 RFC w/ additives.  
Cement Top @ 224' from CBL

## TUBING

SIZE/GRADE/WT.: 2 3/8", 4.7 lbs  
NO. OF JOINTS: 187 jts. (5712.4')  
TUBING ANCHOR: 5712.4'  
NO. OF JOINTS: 1 jts. (32.2')  
SEATING NIPPLE: 2 3/8" (1.1')  
PERF. SUB: 2-3/8"x4.00'  
MUD ANCHOR: 2 3/8" x 30'  
TOTAL STRING LENGTH: 5810'  
SN LANDED AT: 5747.4'  
NO. OF JOINTS: 2 jts (60.9')

## SUCKER RODS

1 - 1-1/4" x 16' Polish Rod  
SUCKER RODS: 98- 3/4" guided rods  
(4 per), 106- 3/4" sucker rods

PUMP SIZE: 2' x 1 1/2" x 16' RHAC

STROKE LENGTH:  
PUMP SPEED, SPM:  
PUMPING UNIT SIZE: Lufkin MarkII M114D 173-74  
Unit serviced 10-6-92  
S/N E97711A1-456676  
Ajax EA-30 engine  
S/N 79361

TOC @ 224' ---  
253' KB ---->

## ACID JOBS

5217'-5230' KB 1000 gal 7.5% HCl  
5471'-5543' KB 2000 gal 7.5% HCl  
5656'-5776' KB 1000 gal 7.5% HCl

## FRAC JOBS

5217'-5230' KB 5-18-82: w/Western. 20000 gal Apollo 40  
w/28500# 20-40 sand & 12000# 10-20 sand.  
ATR 10 BPM @ 2500 psi, max 2600 psi. ISIP  
@ 2450 psi, 15 - 2200 psi, 20 - 2200 psi.  
5471'-5543' KB 5-16-82: w/Western. 50000 gal Apollo 40  
w/75000# 20-40 sand & 20000# 10-20 sand.  
ATR 20 BPM @ 1700 psi, max 1800 psi. ISIP  
@ 1700 psi, 15 - 1600 psi, 20 - 1550 psi.  
5656'-5776' KB 5-14-82: w/Western. 3850 gal Apollo 40  
w/3200# 20-40 sand. 8 Ball sealers pumped,  
sand screened out before balls hit perms.  
ATR 10 BPM @ 1600 psi, max 3800 psi.  
ISIP 800 psi, 15 - 0.

11/19/08 Tubing Leak. Updated rod & tubing details.  
1/19/2010 Tubing Leak. Updated rod and tubing detail.

5217'-5230'

5471'-5505'

5522'-5543'

5656'-5664'

5760'-5776'

SN LANDED @ 5747'  
PBTD @ 5934' KB  
TD @ 5980' KB

NEWFIELD

CASTLE PEAK FEDERAL #33-15  
Jonah Unit / Monument Butte Field  
Lease No. U-017985 API# 43-013-30632  
NW SE Sec. 15, T9S, R16E  
Duchesne Co., Utah

ML 4/13/10

## Castle Peak Fed. #22-15-9-16

Spud Date: 2/05/82  
Put on Production: 4/08/82

GL: 5722' KB: 5735'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: K-55  
WEIGHT: 24#  
LENGTH: 7 jts. (278.53')  
DEPTH LANDED: 291' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 225 sxs Class "H" cmt, est 4 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 146 jts. (5699.31')  
DEPTH LANDED: 5712' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 400 sxs Prem. Lite, 200 sxs Class "H" & 200 sxs 50/50 POZ.  
CEMENT TOP AT: 1700' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 174 jts (5418.62')  
TUBING ANCHOR: 5431.62'  
NO. OF JOINTS: 1 jt (31.10')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5465.52'  
NO. OF JOINTS: 1 jt (31.28')  
TOTAL STRING LENGTH: EOT @ 5498.35'

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 16'  
SUCKER RODS: 100- 3/4" scraped rods, 71- 3/4" plain rods, 41- 3/4" scraped rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 15.5" RHAC w/ 126" SL  
STROKE LENGTH: 62'  
PUMP SPEED, SPM: 4 SPM

**Wellbore Diagram**

Cement Top@ 1700'

SN @ 5465.52'

SHOE @ 5712'  
TD @ 5712'

Initial Production: 175 BOPD,  
53 MCFD, 172 BWPD

**FRAC JOB**

3/21/82	5470'-5484'	<b>Frac zone as follows:</b> 40,000# 20/40 sand + 10,000# 10/20 sand in 714 bbls frac fluid. Treated @ avg press of 1550 psi w/avg rate of 16 BPM. ISIP 1690 psi. Calc. flush: 5470 gal. Actual flush: 6370 gal.
3/23/82	5200'-5212'	<b>Frac zone as follows:</b> 30,000# 20/40 sand + 10,000# 10/20 sand in 654 bbls frac fluid. Treated @ avg press of 2350 psi w/avg rate of 16 BPM. ISIP 2370 psi. Calc. flush: 5200 gal. Actual flush: 5360 gal.
3/25/82	4865'-4894'	<b>Frac zone as follows:</b> 52,500# 20/40 sand + 12,000# 10/20 sand in 904 bbls frac fluid. Treated @ avg press of 1700 psi w/avg rate of 21 BPM. ISIP 1770 psi. Calc. flush: 4865 gal. Actual flush: 5000 gal.
3/27/82	4712'-4728'	<b>Frac zone as follows:</b> 62,500# 20/40 sand + 10,000# 10/20 sand in 940 bbls frac fluid. Treated @ avg press of 1960 psi w/avg rate of 15 BPM. ISIP 2100 psi. Calc. flush: 4712 gal. Actual flush: 5255 gal.
12/28/94		Pump change. Update rod and tubing details.
11/15/02	4096'-4128'	<b>Frac GB6 sands as follows:</b> 44,620# of 20/40 sand in 362 bbls Viking I-25 fluid. Treated @ ave. pressure of 1925 psi w/ ave rate of 25.4 BPM. ISIP - 2025 psi. Calc. flush: 4096 gals. Actual flush: 3990 gals.
6/24/04		Tubing leak. Update tubing details.
9/14/07		Tubing Leak. Updated rod & tubing details.

**PERFORATION RECORD**

3/21/82	5470'-5484'	2 JSPF	29 holes
3/24/82	5200'-5212'	2 JSPF	25 holes
3/25/82	4865'-4870'	2 JSPF	11 holes
3/25/82	4878'-4894'	2 JSPF	33 holes
3/26/82	4712'-4728'	2 JSPF	33 holes
11/13/02	4124'-4128'	4 JSPF	16 holes
11/13/02	4119'-4121'	4 JSPF	8 holes
11/13/02	4096'-4102'	4 JSPF	24 holes

**NEWFIELD**

**Castle Peak Fed. #22-15-9-16**

2125' FNL & 2006' FEL

SENW Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-30634; Lease #U-017985

## Castle Peak Federal 42-15-9-16

GL: 5657' KB: 5670'

SURFACE CASING

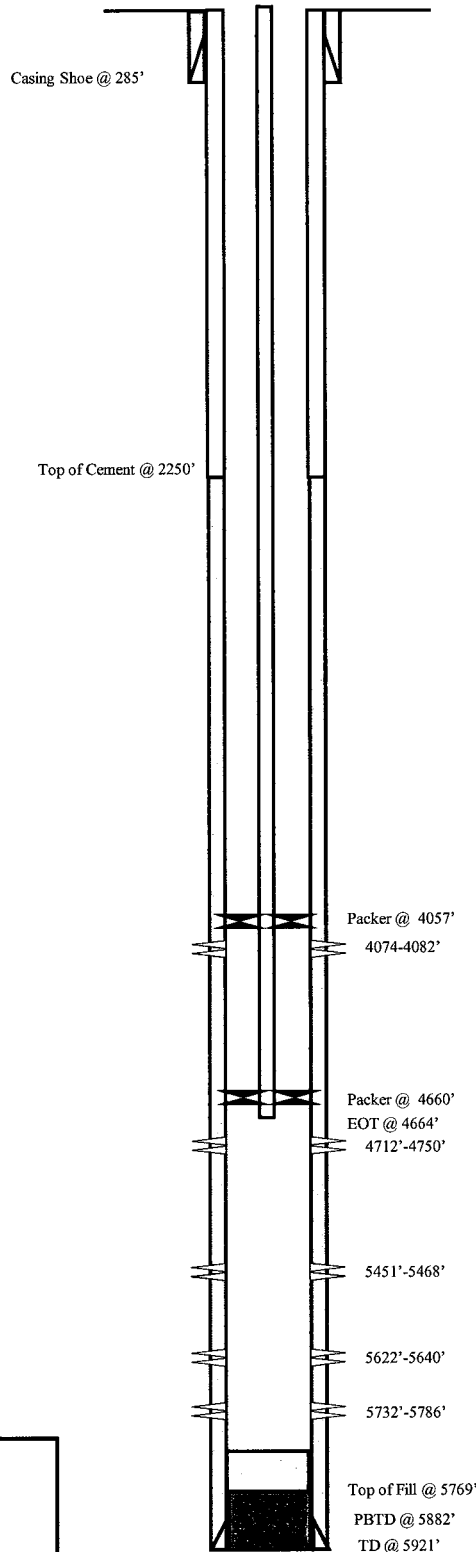
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 285'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class H

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5921.92'  
 DEPTH LANDED: 5920.17'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 500 sxs Class G & 675 sxs RFC  
 CEMENT TOP AT: 2250'

TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts. (4039.1')  
 CE @ 4057'  
 SEATING NIPPLE: 2 3/8" (1.10')  
 SN LANDED AT: 4656.5'  
 CE @ 4660'  
 TOTAL STRING LENGTH: EOT @ 4664'

Injection Wellbore  
DiagramFRAC JOB

4/8/82	5732-5786'	60,712 gal Apollo 30 w/ 75,000# 20/40 sand and 20,000# 10/20sand. ATP= 1800 psi, ATR= 30.0 bpm, ISIP= 1600 psi, 15= 1400 psi, 30 min= 1400 psi.
4/11/82	5622-5640'	27,000 gal Apollo 30 w/40,000# 20/40 sand. ATP= 2100 psi, ATR= 26 bpm, ISIP= 2200 psi, 15 min= 1400 psi, 20 min= 1300 psi.
4/15/82	5451-5468'	13,000 gal Apollo 30 w/11,000# 20/40 sand and 12,000# 10/20 sand. ATP= 1900 psi, ATR= 25 bpm, ISIP= 1600 psi, 15 min= 1460 psi, 20 min= 1400 psi.
4/17/82	4712-4750'	43,000 gal Apollo 30 w/20,000# 20/40 sand and 20,000# 10/20 sand. ATP=1950 psi, ATR= 30 bpm, ISIP= 1200 psi, 15 min= 1625 psi, 20 min= 1560 psi.
6/4/04		<b>Stuck plunger.</b> Update rod and tbg details.
09/04/07		<b>Recompletion</b>
09/04/07	4074-4082'	<b>Frac GB6 sands as follows:</b> 43782# 20/40 sand in 490 bbls Lightning 17 frac fluid. Treated @ avg press of 2367 psi w/avg rate of 24.8 BPM. ISIP 2030 psi. Calc flush: 4005 gal. Actual flush: 3986 gal.
04/04/11		<b>Convert to Injection well.</b>
04/07/11		<b>Conversion MIT Finalized</b> – update tbg detail

PERFORATION RECORD

4/7/82	5732'-5786'	1 JSPF	55 holes
4/11/82	5622'-5640'	2 JSPF	37 holes
4/14/82	5451'-5468'	2 JSPF	
4/16/82	4712'-4750'	2 JSPF	
09/04/07	4074-4082'	32 JSPF	32 holes

**NEWFIELD****CASTLE PEAK FEDERAL 42-15-9-16**

1820' FNL &amp; 820' FEL

SE/NE Section 15, T9S R16E

DUCHESNE CO, UTAH

API #43-013-30633; LEASE #UTU-017985

## Castle Peak #24-15-9-16

Spud Date: 6/19/82  
Put on Production: 8/30/12  
GL: 5770' KB: 5783'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: K-55  
WEIGHT: 24#  
LENGTH: 7 jts. (261')  
DEPTH LANDED: 274'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 200 sxs Type II cmt. Returns to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 138 jts. (5870.46')  
DEPTH LANDED: 5867'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Dowell HiLift & 475 sxs 10-0 PFC.  
CEMENT TOP: 920' per CBL 7/17/82

TUBING (KS 8/25/10)

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#  
NO. OF JOINTS: 181 jts (5413.8')  
TUBING ANCHOR: 5426.8'  
NO. OF JOINTS: 1 jt (29.5')  
SEATING NIPPLE: 2-3/8" (1.10')  
SN LANDED AT: 5459.1'  
NO. OF JOINTS: 1 jt (30.1')  
NOTCHED COLLAR: 2-3/8" (0.5')  
TOTAL STRING LENGTH: EOT @ 5491'

SUCKER RODS (KS 8/28/10)

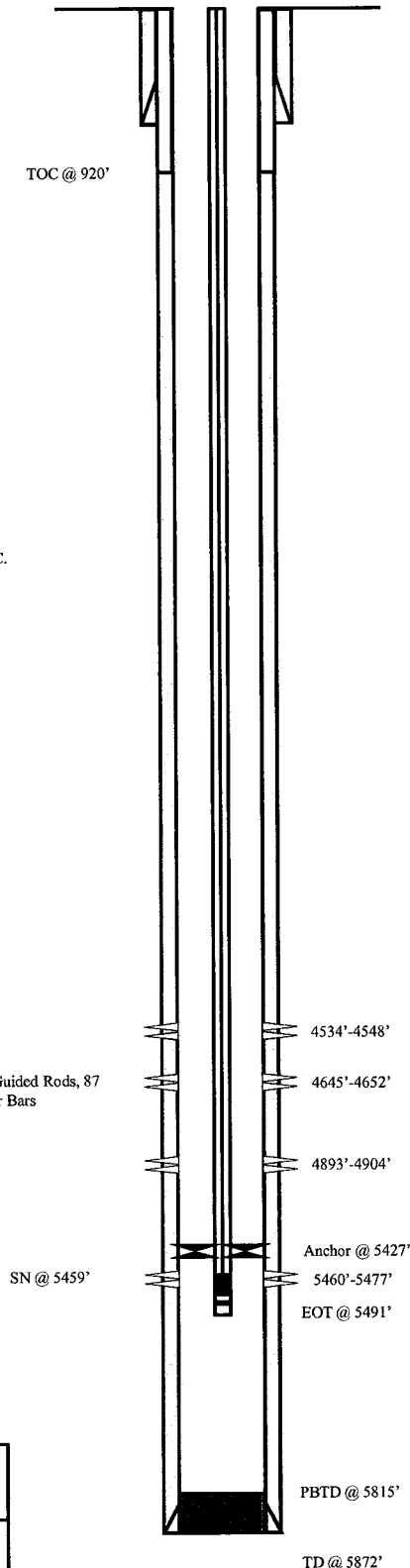
POLISHED ROD: 1-1/4" x 16' Polished Rods  
SUCKER RODS: 2 x 2', 4', 6' x 3/4" Pony Rods, 85 x 3/4" 4per Guided Rods, 87 x 3/4" Sucker Rods, 41 x 3/4" 4per Guided Rods, 4 x 1-1/2" Sinker Bars  
PUMP SIZE: 2" x 1-1/4" x 12' x 16' RHAC  
STROKE LENGTH: 62"  
PUMP SPEED, SPM: 3.7  
PUMPING UNIT: LUFKIN C-160D-173-74

FRAC JOB

7/19/82	5460'-5477'	<b>Frac zone as follows:</b> 30,500# 20/40 + 6,000# 10-20 sand in 643 bbls Ver 140 fluid. Treated @ avg press of 1650 psi w/avg rate of 15 BPM. ISIP 1620 psi.
8/09/82	4893'-4904'	<b>Frac zone as follows:</b> 19,500# 20/40 + 6,000# 10-20 sand in 560 bbls Ver 140 fluid. Treated @ avg press of 2000 psi w/avg rate of 10 BPM. ISIP 2120 psi.
8/21/82	4534'-4652'	<b>Frac zone as follows:</b> 44,500# 20/40 + 12,000# 10-20 sand in 905 bbls Ver 140 fluid. Treated @ avg press of 2600 psi w/avg rate of 15 BPM. ISIP 1920 psi.
11/6/01		Tbg leak. Update rod and tubing details.
11/20/01		Pump change. Update rod details.
5-31-05		Pump change. Update rod details.
8/18/09		Tubing Leak. Updated rod & tubing detail.
8/26/2010		Parted rods. Updated rod and tubing detail.

PERFORATION RECORD

4534'-4548'	2 JSPF	28 holes
4645'-4652'	2 JSPF	14 holes
4893'-4904'	2 JSPF	22 holes
5460'-5477'	2 JSPF	34 holes



**Castle Peak #24-15-9-16**  
659' FSL & 1980' FWL  
SESW Section 15-T9S-R16E  
Duchesne Co, Utah  
API #43-013-30631; Lease #U-74805



## Monument Fed. 23-15-9-16

Spud Date: 10/06/93  
 Put on Production: 11/30/93  
 Put on Injection: 11/11/94  
 GL: 5828' KB: 5838'

Initial Production: 40 BOPD,  
 200 MCFD, 56 BWPD

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (270.52')  
 DEPTH LANDED: 278.25' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 130 jts. (5666.71')  
 DEPTH LANDED: 5675.71' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 100 sxs Hi-Fill & 250 sxs 50/50 POZ.  
 CEMENT TOP AT: 2490' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 148 jts (4569.94')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4580.99' KB  
 2 7/8" x 2 3/8" CROSSOVER: 4581.74' KB  
 PACKER: 4587.94' KB  
 TOTAL STRING LENGTH: EOT @ 4587.94'

FRAC JOB

11/03/93	5212'-5222'	<b>Frac zone as follows:</b> 20,700# 16/30 sand in 380 bbls. 2% KCl. Screened out.
11/11/93	4645'-4808'	<b>Frac zone as follows:</b> 39,890# 16/30 sand in 637 bbl KCl. Avg. treating press. 2800 psi @ 19.5 BPM. ISIP 1890 psi. Calc. flush: 4645 gal. Actual flush: 4494 gal.
07/15/05		<b>5 YR MIT</b>
06/21/10		<b>5 YR MIT</b>

Cement Top @ 2490'

Packer @ 4587'

4645'-4649' D-1 sds

4653'-4655' D-1 sds

4666'-4672' D-2 sds

4803'-4808'

CIBP @ 5140' (10/13/94)

5212'-5222' LODC sds

SN @ 4580'

EOT @ 4587'

PBTB @ 5625'

TD @ 5700'

PERFORATION RECORD

11/01/93	5216'-5220'	2 JSPF	08 holes
11/03/93	5212'-5222'	4 JSPF	40 holes
11/09/93	4803'-4808'	1 JSPF	05 holes
11/09/93	4666'-4672'	1 JSPF	04 holes
11/09/93	4653'-4655'	1 JSPF	02 holes
11/09/93	4645'-4649'	1 JSPF	03 holes
10/12/94	4666'-4672'	2 JSPF	12 holes
10/12/94	4653'-4655'	2 JSPF	04 holes
10/12/94	4645'-4649'	2 JSPF	08 holes



**Monument Fed. #23-15-9-16**  
 1724' FSL & 2078' FWL  
 NESW Section 15-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31373; Lease #UTU-76241

## Monument Federal 32-15J-9-16

Spud Date: 10/02/93  
 Put on Production: 11/20/93  
 Put on Injection: 11/11/94  
 GL: 5681' KB: 5691'

Initial Production: 20 BOPD,  
 120 MCFD, 0 BWPD

Injection Wellbore  
 Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (268.89')  
 DEPTH LANDED: 276.69' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 129 jts. (5608.14')  
 DEPTH LANDED: 5602.14'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 113 sxs Hi-Lift & 249 sxs Class "G".  
 CEMENT TOP AT: 3100' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 149 jts (4592.73')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4603.83' KB  
 2 7/8" x 2 3/8" CROSSOVER: 4604.43' KB  
 PACKER: 4610.63' KB  
 TOTAL STRING LENGTH: EOT @ 4610.63'

FRAC JOB

10/25/93	5496'-5498'	Acidize zone as follows: 250 gal. 15% HCl.
10/27/93	5454'-5456'	Acidize zone as follows: 250 gal. 15% HCl.
10/28/93	4718'-4736'	Frac zone as follows: 28,000# 20/40 sand in 335 bbl 2% KCl. Avg. treating press. 2100 psi @ 20 BPM. ISIP 1800 psi. Calc. flush: 4718 gal. Actual flush: 4744 gal.
07/15/05		5 YR MIT
9-16-08		Zone Stimulation. Updated tubing details.
06/21/10		5 YR MIT

Cement Top@ 3100'

Packer @ 4610'

4718'-4720'

4726'-4731'

4733'-4736'

5454'-5456'

5496'-5498'

PBTD @ 5556'  
 TD @ 5610'

PERFORATION RECORD

10/25/93	5496'-5498'	2 JSPF	04 holes
10/26/93	5496'-5498'	2 JSPF	04 holes
10/26/93	5454'-5456'	2 JSPF	08 holes
10/27/93	4733'-4736'	2 JSPF	06 holes
10/27/93	4726'-4731'	2 JSPF	10 holes
10/27/93	4718'-4720'	2 JSPF	04 holes

**NEWFIELD**

Monument Fed. 32-15-9-16  
 1868' FNL & 1993' FEL  
 SWNE Section 15-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31368; Lease #UTU-017985

## Monument Fed. 41-15J-9-16

Spud Date: 9/23/93  
 Put on Production: 11/09/93  
 Put on Injection: 11/09/94  
 GL: 5715' KB: 5725'

Initial Production: 20 BOPD,  
 60 MCFD, 20 BWPD

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (270.26')  
 DEPTH LANDED: 277.00' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts. (5691.06')  
 DEPTH LANDED: 5703.06' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 115 sxs Hi-Lift & 275 sxs Class "G".  
 CEMENT TOP AT: 2845' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 158 jts (4882.00')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4882' KB  
 2 7/8" x 2 3/8" CROSSOVER: 4883' KB  
 PACKER: 4884' KB  
 TOTAL STRING LENGTH: EOT @ 4891'

FRAC JOB

10/16/93 5547'-5614' Frac zone as follows:  
 62,428# 16/30 sand in 733 bbl 2% KCl. Avg.  
 treating press. 2000 psi @ 35 BPM. ISIP  
 2725 psi. Calc. flush: 5554 gal. Actual flush:  
 4242 gal.

10/19/93 4985'-4992' Frac zone as follows:  
 17,700# 16/30 sand in 270 bbl 2% KCl. Avg.  
 treating press. 2700 psi @ 17 BPM. ISIP  
 2900 psi. Calc. flush: 4985 gal. Actual flush:  
 4956 gal.

9-12-08 Zone Stimulation. Updated tubing details.  
 4-21-10 5 YR MIT

Cement Top@ 2845'

Packer @ 4884'

4985'-4992'

5554'-5572'

5604'-5614' CP2 sds

SN @ 4882'  
 EOT @ 4891'  
 PBTD @ 5657'  
 TD @ 5716'

PERFORATION RECORD

10/14/93	5604'-5614'	06 holes
10/14/93	5554'-5572'	10 holes
10/18/93	4985'-4992'	2 SPF 10 holes

**NEWFIELD****Monument Fed. 41-15-9-16**

460' FNL &amp; 500' FEL

NENE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-31367; Lease #UTU-017985

## Jonah B-15-9-16

Spud Date: 11/20/08  
Put on Production: 1/7/2009

GL: 5698' KB: 5710'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (312.35')  
DEPTH LANDED: 324.20' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sx class 'g' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 164 jts (6302.61')  
DEPTH LANDED: 6160.20'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 280 sx primlite and 400 sx 50/50 poz  
CEMENT TOP AT: 100'

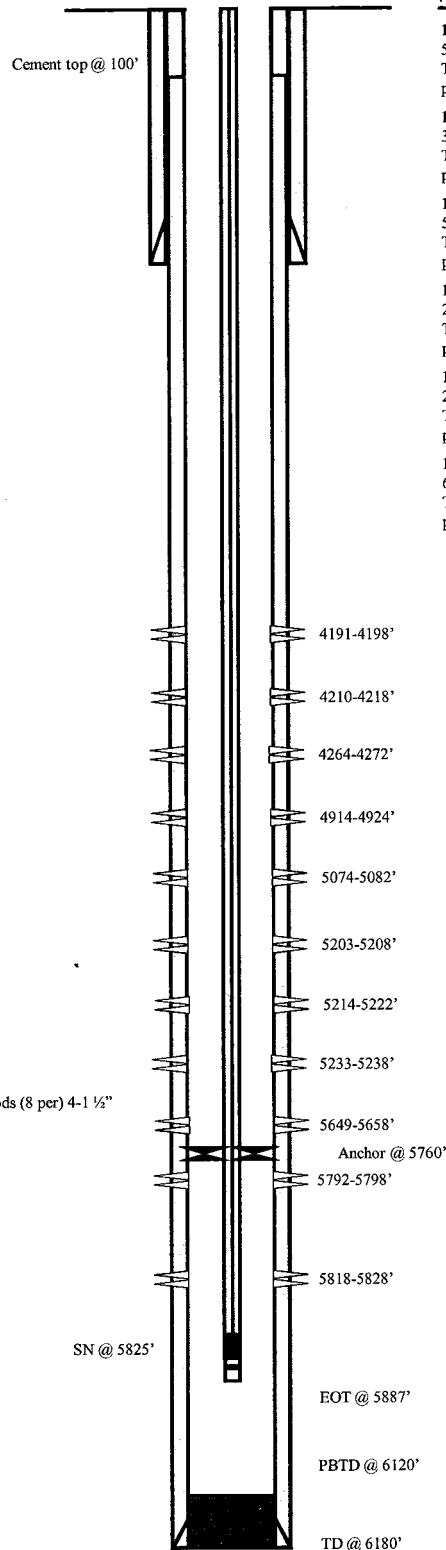
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 186 jts (5748.28')  
TUBING ANCHOR: 5760.28' KB  
NO. OF JOINTS: 2 jts (61.69')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5824.77' KB  
NO. OF JOINTS: 2 jts (60.90')  
TOTAL STRING LENGTH: EOT @ 5887.22'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
SUCKER RODS: 1-2", 8' x 7/8" pony subs, 228-7/8" guided rods (8 per) 4-1 1/2" weight bars shear coupler.  
PUMP SIZE: 2 1/2" x 1 3/4" x 16' x 20' RHAC rod pump - CDI  
STROKE LENGTH: 122"  
PUMP SPEED, SPM: 5

## Wellbore Diagram

FRAC JOB

12/30/08 5792-5828' Frac CP3/CP4 sds as follows:  
50,081# 20/40 sand in 470 bbls of Lightning 17 fluid. Broke @ 2666 psi.  
Treated w/ ave pressure of 1673 psi w/ ave rate of 22.7 BPM. ISIP 1930 psi. Actual flush: 5284 gals.

12/30/08 5649-5658' Frac CP1 sds as follows:  
35,468# 20/40 sand in 400 bbls of Lightning 17 fluid. Broke @ 1864 psi.  
Treated w/ ave pressure of 3004 psi w/ ave rate of 21.3 BPM. ISIP 2128 psi. Actual flush: 5141 gals.

12/30/08 5203-5238' Frac A1 sds as follows:  
55,261# 20/40 sand in 530 bbls of Lightning 17 fluid. Broke @ 1797 psi.  
Treated w/ ave pressure of 1860 psi w/ ave rate of 22.8 BPM. ISIP 2028 psi. Actual flush: 4696 gals.

12/30/08 5074-5082' Frac B2 sds as follows:  
29,377# 20/40 sand in 387 bbls of Lightning 17 fluid. Broke @ 3846 psi.  
Treated w/ ave pressure of 2379 psi w/ ave rate of 22.9 BPM. ISIP 2143 psi. Actual flush: 4570 gals.

12/30/08 4914-4924' Frac C sds as follows:  
29,424# 20/40 sand in 380 bbls of Lightning 17 fluid. Broke @ 3756 psi.  
Treated w/ ave pressure of 2406 psi w/ ave rate of 22.9 BPM. ISIP 2261 psi. Actual flush: 4410 gals.

12/30/08 4191-4272' Frac GB4/GB6 sds as follows:  
63,811# 20/40 sand in 497 bbls of Lightning 17 fluid. Broke @ 1889 psi.  
Treated w/ ave pressure of 1723 psi w/ ave rate of 23.0 BPM. ISIP 1919 psi. Actual flush: 4187 gals.

PERFORATION RECORD

12/30/08	4191-4198'	4 JSPF	28 holes
12/30/08	4210-4218'	4 JSPF	32 holes
12/30/08	4264-4272'	4 JSPF	32 holes
12/30/08	4914-4924'	4 JSPF	40 holes
12/30/08	5074-5082'	4 JSPF	32 holes
12/30/08	5203-5208'	4 JSPF	20 holes
12/30/08	5214-5222'	4 JSPF	32 holes
12/30/08	5233-5238'	4 JSPF	20 holes
12/30/08	5649-5658'	4 JSPF	36 holes
12/30/08	5792-5798'	4 JSPF	24 holes
12/30/08	5818-5828'	4 JSPF	40 holes

NEWFIELD

Jonah B-15-9-16

639' FSL &amp; 673' FEL

SE/SE Section 10-T9S-R16E

Duchesne Co, Utah

API # 43-013-34016; Lease # UTU-017985

TW 04/29/09

## JONAH P-14-9-16

Spud Date: 10/19/2010

PWOP: 12/14/2010

GL: 5707' KB: 5719'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (336.56')  
 DEPTH LANDED: 346.41' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 180 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (6034.18')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6047.43' KB  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 430 sxs 50/50 POZ.  
 CEMENT TOP AT: 50'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 187 jts. (5744.2')  
 TUBING ANCHOR: 5744.2' KB  
 NO. OF JOINTS: 1 jt. (31.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5778.4' KB  
 NO. OF JOINTS: 2 jts. (62.8')  
 NOTCHED COLLAR: 5842.3' KB  
 TOTAL STRING LENGTH: EOT @ 5843'

SUCKER RODS

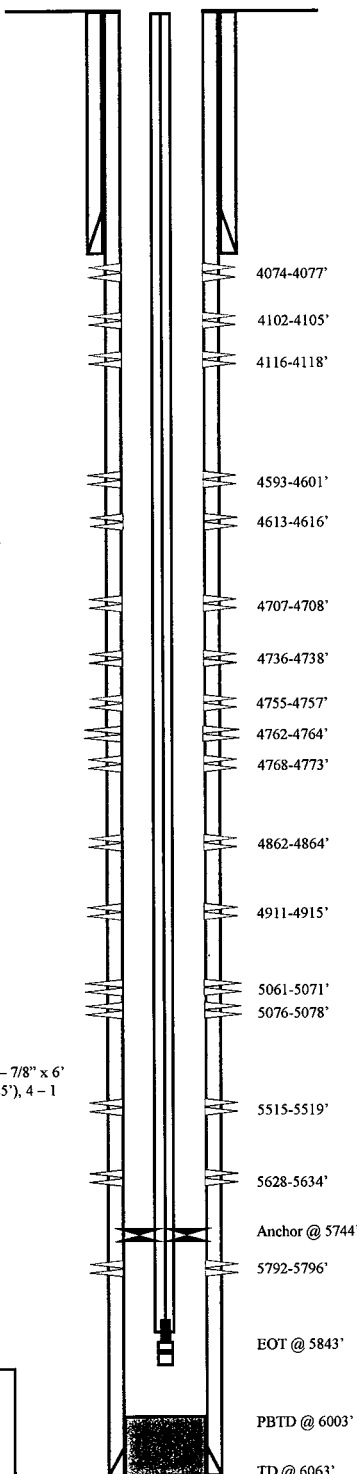
POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod  
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 - 7/8" x 8' Pony Rod, 225 - 7/8" 8per Guided Rods (5625'), 4 - 1 1/2" Sinker Bars (100')  
 PUMP SIZE: 2 1/2" x 1 3/4" x 21" x 24' RHAC  
 STROKE LENGTH: 144"  
 PUMP SPEED: 5 SPM

FRAC JOB

11/30/2010 5515-5796' **Frac CP1, CP3 & CP5, sands as follows:**  
 Frac with 20407# 20/40 brown sand in 328 bbls lightning 17 fluid; 501 bbls total fluid to recover.  
 12/08/2010 5061-5078' **Frac A1, sands as follows:**  
 Frac with 35843# 20/40 brown sand in 242 bbls lightning 17 fluid; 382 bbls total fluid to recover.  
 12/08/2010 4862-4915' **Frac B1 & B2, sands as follows:**  
 Frac with 20423# 20/40 brown sand in 176 bbls lightning 17 fluid; 308 bbls total fluid to recover.  
 12/08/2010 4707-4773' **Frac C & D3, sands as follows:**  
 Frac with 65441# 20/40 brown sand in 406 bbls lightning 17 fluid; 531 bbls total fluid to recover.  
 12/08/2010 4593-4616' **Frac D1, sands as follows:**  
 Frac with 40177# 20/40 brown sand in 269 bbls lightning 17 fluid; 391 bbls total fluid to recover.  
 12/08/2010 4074-4118' **Frac GB4 & GB6, sands as follows:**  
 Frac with 32391# 20/40 brown sand in 226 bbls lightning 17 fluid; 338 bbls total fluid to recover.

PERFORATION RECORD

5792-5796'	3 JSPP	12 holes
5628-5634'	3 JSPP	18 holes
5515-5519'	3 JSPP	12 holes
5076-5078'	3 JSPP	6 holes
5061-5071'	3 JSPP	30 holes
4911-4915'	3 JSPP	12 holes
4862-4864'	3 JSPP	6 holes
4768-4773'	3 JSPP	15 holes
4762-4764'	3 JSPP	6 holes
4755-4757'	3 JSPP	6 holes
4736-4738'	3 JSPP	6 holes
4707-4708'	3 JSPP	3 holes
4613-4616'	3 JSPP	9 holes
4593-4601'	3 JSPP	24 holes
4116-4118'	3 JSPP	6 holes
4102-4105'	3 JSPP	9 holes
4074-4077'	3 JSPP	9 holes

**NEWFIELD****Jonah P-14-9-16**

513' FSL &amp; 510' FEL (SE/SE)

Section 15, T9S, R16E

Duchesne County, Utah

API #43-013-34124; Lease # UTU-017985

## JONAH 5-14-9-16

Spud Date: 6/11/03

Put on Production: 3/10/04

GL:5608 ' KB:5620 '  
**SURFACE CASING**

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (301.85')

DEPTH LANDED: 311.85' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 150sxs Class "G" cmt, est 3 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 134 jts. (5843.4')

DEPTH LANDED: 5843.4' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 320 sxs Prem. Lite II mixed &amp; 450 sxs 50/50 POZ mix.

CEMENT TOP AT: 404'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

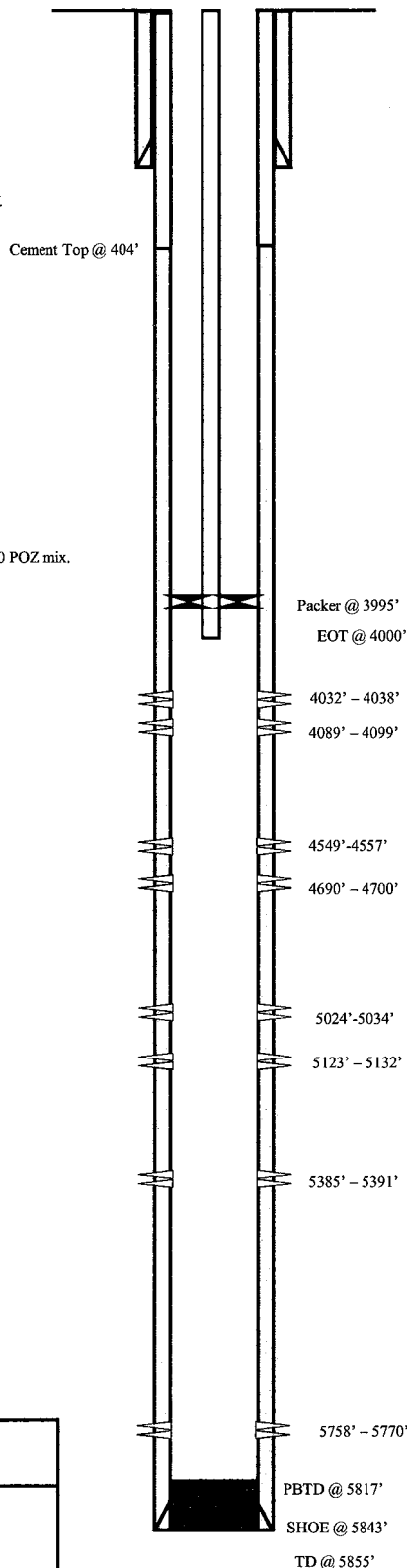
NO. OF JOINTS: 123 jts (64.63')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3991.00' KB

TUBING ANCHOR: 3995.35' KB

TOTAL STRING LENGTH: EOT @ 3999.50'

**Injection Wellbore  
Diagram**Initial Production: 70 BOPD,  
35 MCFD, 17 BWPD**FRAC JOB**

3/3/04	5758'-5770'	<b>Frac CP5 sands as follows:</b> 35,816# 20/40 sand in 359 bbls lightning Frac 17 fluid. Treated @ avg press of 1890 psi w/avg rate of 24.8 BPM. ISIP 2165 psi. Calc flush: 5756 gal. Actual flush: 5754 gal.
3/3/04	5385'-5391'	<b>Frac CP .5 sands as follows:</b> 19,441# 20/40 sand in 251 bbls lightning Frac 17 fluid. Treated @ avg press of 2425 psi w/avg rate of 24.7 BPM. ISIP 1865 psi. Calc flush: 5383 gal. Actual flush: 5376 gal.
3/3/04	5123'-5132'	<b>Frac LODC sands as follows:</b> 39,816# 20/40 sand in 371 bbls lightning Frac 17 fluid. Treated @ avg press of 2742 psi w/avg rate of 24.7 BPM. ISIP 3220 psi. Calc flush: 5121 gal. Actual flush: 5124 gal.
3/3/04	5024'-5034'	<b>Frac A3 sands as follows:</b> 39,550# 20/40 sand in 367 bbls lightning Frac 17 fluid. Treated @ avg press of 1996 psi w/avg rate of 24.9 BPM. ISIP 2150 psi. Calc flush: 5022 gal. Actual flush: 5040 gal.
3/3/04	4690'-4700'	<b>Frac C sands as follows:</b> 49,590# 20/40 sand in 409 bbls lightning Frac 17 fluid. Treated @ avg press of 1771 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 4688 gal. Actual flush: 4704 gal.
3/4/04	4549'-4557'	<b>Frac D1 sands as follows:</b> 24,970# 20/40 sand in 267 bbls lightning Frac 17 fluid. Treated @ avg press of 2180 psi w/avg rate of 24.6 BPM. ISIP 2050 psi. Calc flush: 4547 gal. Actual flush: 4536 gal.
3/4/04	4032'-4099'	<b>Frac GB4 and 6 sands as follow:</b> 52,120# 20/40 sand in 419 bbls lightning Frac 17 fluid. Treated @ avg press of 1950 psi w/avg rate of 24.7 BPM. ISIP 1890 psi. Calc flush: 4030 gal. Actual flush: 3948 gal.
10/18/05		Tbg. Leak. Update tubing and rod Details.
7/23/07		<b>Well converted to an Injection well. MIT completed and submitted.</b>

**PERFORATION RECORD**

3/02/04	5758'-5770'	4 JSPF	48 holes
3/03/04	5385'-5391'	4 JSPF	24 holes
3/03/04	5123'-5132'	4 JSPF	36 holes
3/03/04	5024'-5034'	4 JSPF	40 holes
3/03/04	4690'-4700'	4 JSPF	40 holes
3/03/04	4549'-4557'	4 JSPF	32 holes
3/04/04	4089'-4099'	4 JSPF	40 holes
3/04/04	4032'-4038'	4 JSPF	24 holes

**NEWFIELD**

**Jonah 5-14-9-16**  
 2028' FNL & 659' FWL  
 SW/NW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32336; Lease #UTU-096547

## Jonah 15-15-9-16

Spud Date: 01/07/06  
Put on Production: 02/07/06

GL: 5758' KB: 5770'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (311.55')  
DEPTH LANDED: 323.40' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5874.99')  
DEPTH LANDED: 5874.24' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP @ 130

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 123 jts (4000.93')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4014.03'  
TOTAL STRING LENGTH: EOT @ 4021.42'

Injection Wellbore  
Diagram

CEMENT TOP @ 130

Packer @ 4017'  
EOT @ 4021'

PBTD @ 5824'

SHOE @ 5874'

TD @ 5885'

Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

01/31/06	5678-5722'	<b>Frac CP4, CP5 sands as follows:</b> 30113# 20/40 sand in 388 bbls Lightning 17 frac fluid. Treated @ avg press of 1859 psi w/avg rate of 25.2 BPM. ISIP 2050 psi. Calc flush: 5676 gal. Actual flush: 5141 gal.
01/31/06	5481-5494'	<b>Frac CP2 sands as follows:</b> 50320# 20/40 sand in 436 bbls Lightning 17 frac fluid. Treated @ avg press of 1616 psi w/avg rate of 25.3 BPM. ISIP 1900 psi. Calc flush: 5479 gal. Actual flush: 4872 gal.
01/31/06	4978-4983'	<b>Frac A3 sands as follows:</b> 19771# 20/40 sand in 295 bbls Lightning 17 frac fluid. Treated @ avg press of 2420 psi w/avg rate of 25.3 BPM. ISIP 2150 psi. Calc flush: 4976 gal. Actual flush: 4452 gal.
01/31/06	4818-4835'	<b>Frac B2 sands as follows:</b> 25033# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg press of 1958 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 4816 gal. Actual flush: 4284 gal.
01/31/06	4646-4657'	<b>Frac D3, C, sands as follows:</b> 98438# 20/40 sand in 701 bbls Lightning 17 frac fluid. Treated @ avg press of 2161 psi w/avg rate of 25.1 BPM. ISIP 2300 psi. Calc flush: 4644 gal. Actual flush: 4074 gal.
02/01/06	4186-4190'	<b>Frac PB7 sands as follows:</b> 19753# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2643 psi w/avg rate of 24.8 BPM. ISIP 2650 psi. Calc flush: 4184 gal. Actual flush: 3654 gal.
02/01/06	4053-4059'	<b>Frac GB6 sands as follows:</b> 17961# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 2240 psi w/avg rate of 25 BPM. ISIP 1900 psi. Calc flush: 4051 gal. Actual flush: 3948 gal.
04/13/07	7/30/07	Pump Change Update Rod & Tubing Pump change. Updated rod & tubing detail.
05-21-08		<b>Workover.</b> Updated rod and tubing detail
10/16/08		<b>Well converted to an Injection well.</b>
10/28/08		<b>MIT completed and submitted.</b>

**PERFORATION RECORD**

01/27/06	5716-5722'	4 JSPF	24 holes
01/27/06	5678-5685'	4 JSPF	28 holes
01/31/06	5481-5494'	4 JSPF	52 holes
01/31/06	4978-4983'	4 JSPF	20 holes
01/31/06	4830-4835'	4 JSPF	20 holes
01/31/06	4818-4828'	4 JSPF	20 holes
01/31/06	4700-4708'	4 JSPF	32 holes
01/31/06	4646-4657'	4 JSPF	44 holes
01/31/06	4186-4190'	4 JSPF	16 holes
02/01/06	4053-4059'	4 JSPF	24 holes

**NEWFIELD****Jonah 15-15-9-16**

421' FSL &amp; 1864' FEL

SW/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32753; Lease #UTU-17985

## Jonah Federal 12-14-9-16

Spud Date: 5-28-05  
 Put on Production: 7-12-05  
 GL: 5682' KB: 5694'

Initial Production: BOPD 118,  
 MCFD 7, BWPD 139

Injection Wellbore  
DiagramSURFACE CASING

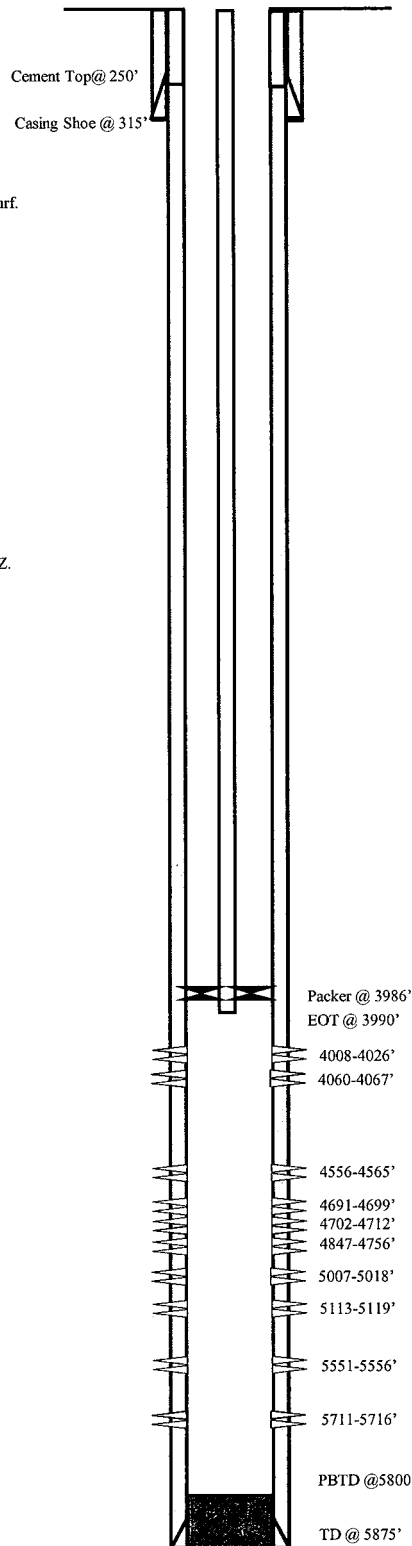
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (302.88')  
 DEPTH LANDED: 314.73' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts. (5830.79')  
 DEPTH LANDED: 5844.04' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 250'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 122 jts (3969.3')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3981.3' KB  
 CE @ 3985.69'  
 TOTAL STRING LENGTH: EOT @ 3990' KB

FRAC JOB

6-30-05	5551-5716'	<b>Frac CP3 &amp; CP5 sand as follows:</b> 25908#'s 20/40 sand in 306 bbls Lightning 17 frac fluid. Treated @ avg press of 1599 psi w/avg rate of 25 BPM. ISIP 1775 psi. Calc flush: 5549 gal. Actual flush: 5552 gal.
7-5-05	5007-5119'	<b>Frac A1 &amp; LODC sand as follows:</b> 45,085#'s 20/40 sand in 409 bbls Lightning 17 frac fluid. Treated @ avg press of 1818 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 5005 gal. Actual flush: 4788 gal.
7-6-05		<b>Frac B2</b> Decision was made to skip Stage #3.
7-6-05	4691-4712'	<b>Frac C, sand as follows:</b> 99846#'s 20/40 sand in 706 bbls Lightning 17 frac fluid. Treated @ avg press of 1733 psi w/avg rate of 25 BPM. ISIP 1750 psi. Calc flush: 4689 gal. Actual flush: 4490 gal.
7-6-05	4556-4565'	<b>Frac D1 sand as follows:</b> 54,984#'s 20/40 sand in 446 bbls Lightning 17 frac fluid. Treated @ avg press of 1773 psi w/avg rate of 25 BPM. ISIP 1820 psi. Calc flush: 4554 gal. Actual flush: 4334 gal.
7-6-05	4008-4067'	<b>Frac GB2 &amp; GB4 sand as follows:</b> 60,730#'s 20/40 sand in 457 bbls Lightning 17 frac fluid. Treated @ avg press of 1425 psi w/avg rate of 25 BPM. ISIP 1650 psi. Calc flush: 4006 gal. Actual flush: 3901 gal.
8-8-05		<b>Pump Change.</b> Update tubing and rod detail.
7/1/08		<b>Pump Change.</b> Updated rod and tbg detail.
01/26/11		<b>Convert to Injection Well</b>
01/31/11		<b>Conversion MIT</b> - updated tbg detail

PERFORATION RECORD

6-30-05	5551-5556'	4 JSPF	20 holes
6-30-05	5711-5716'	4 JSPF	20 holes
7-5-05	5007-5018'	4 JSPF	44 holes
7-2-05	5113-5556'	4 JSPF	24 holes
7-6-05	4847-4856	4 JSPF	36 holes
7-6-05	4691-4699'	4 JSPF	32 holes
7-6-05	4702-4712'	4 JSPF	40 holes
7-6-05	4556-4565'	4 JSPF	36 holes
7-6-05	4060-4067'	4 JSPF	28 holes
7-6-05	4008-4026'	4 JSPF	72 holes

**NEWFIELD**

**Jonah Federal 12-14-9-16**  
 1816' FSL & 575' FWL  
 NW/SW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32682; Lease #UTU-096547



## Jonah Federal 16-15-9-16

Spud Date:12/28/05  
Put on Production: 02/02/06

GL: 5704' KB: 5716'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (315.16')  
DEPTH LANDED: 327.01' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 jts. (5818.63')  
DEPTH LANDED: 5817.88' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP: 150'

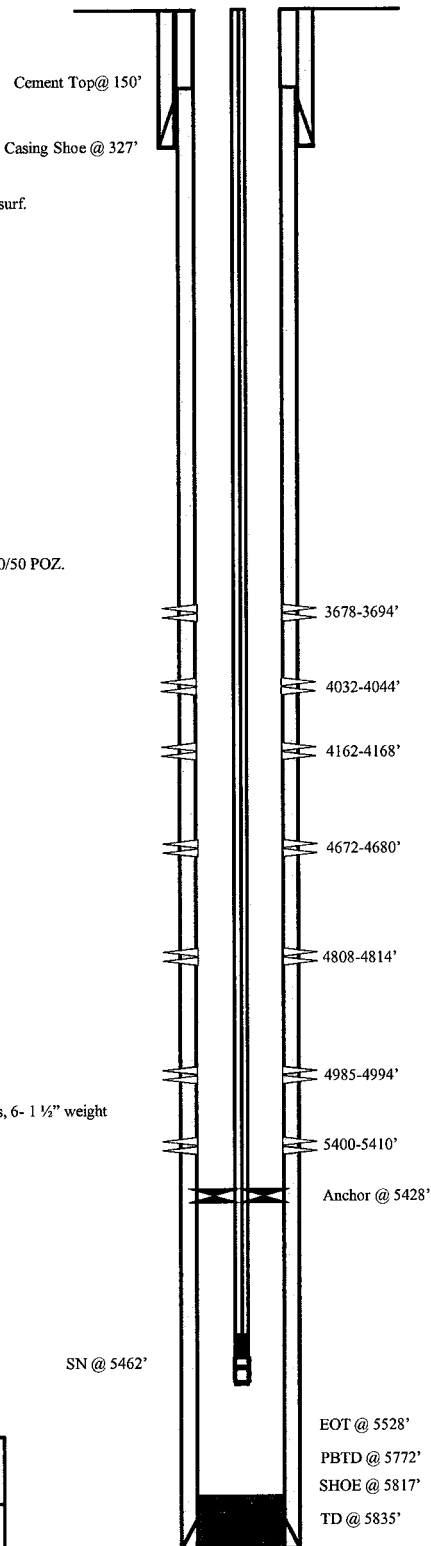
**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 170 jts (5415.7')  
TUBING ANCHOR: 5427.7  
NO. OF JOINTS: 1 jts (31.7')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5462.2'  
NO. OF JOINTS: 2 jts (64.4')  
TOTAL STRING LENGTH: EOT @ 5528'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22'  
SUCKER RODS: 3-2' x 3/4" pony rods, 212- 3/4" guided rods, 6- 1 1/2" weight bars  
PUMP SIZE: 2-1/2" x 1-3/4" x 16' RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

01/25/06	5400-5410'	<b>Frac CP1 sands as follows:</b> 14789# 20/40 sand in 255 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 25.1 BPM. ISIP 1850 psi. Calc flush: 5398 gal. Actual flush: 4872 gal.
01/25/06	4985-4994'	<b>Frac A3 sands as follows:</b> 18508# 20/40 sand 284 bbls Lightning 17 frac fluid. Treated @ avg press of 1845 psi w/avg rate of 25.1 BPM. ISIP 1870 psi. Calc flush: 4983 gal. Actual flush: 4992 gal.
01/25/06	4808-4814'	<b>Frac B2 sands as follows:</b> 23613# 20/40 sand in 319 bbls Lightning 17 frac fluid. Treated @ avg press of 2375 psi w/avg rate of 25.1 BPM. ISIP 2600 psi. Calc flush: 4806 gal. Actual flush: 4284 gal.
01/25/06	4672-4680'	<b>Frac C sands as follows:</b> 61018# 20/40 sand in 480 bbls Lightning 17 frac fluid. Treated @ avg press of 2005 psi w/avg rate of 25 BPM. ISIP 2240 psi. Calc flush: 4670 gal. Actual flush: 4116 gal.
01/25/06	4032-4044'	<b>Frac PB8, GB6 sands as follows:</b> 29328# 20/40 sand in 330 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 psi w/avg rate of 25.1 BPM. ISIP 1835 psi. Calc flush: 4030 gal. Actual flush: 3486 gal.
01/25/06	3678-3694'	<b>Frac GG sands as follows:</b> 48534# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1700 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 3676 gal. Actual flush: 3570 gal.

06-26-06	<b>Parted Rods:</b> Update rod and tubing details.
11-27-06	<b>Pump Change:</b> Updated rod and tubing detail.
9-12-07	<b>Pump change.</b> Updated rod & tubing details.
04/17/08	<b>Pump change.</b> Updated rod & tubing details.
12/11/09	<b>Tubing leak.</b> Updated rod and tubing details.

**PERFORATION RECORD**

01/18/06	5400-5410'	4 JSPF	40 holes
01/25/06	4985-4994'	4 JSPF	36 holes
01/25/06	4808-4814'	4 JSPF	24 holes
01/25/06	4672-4680'	4 JSPF	32 holes
01/25/06	4162-4168'	4 JSPF	24 holes
01/25/06	4032-4044'	4 JSPF	48 holes
01/25/06	3678-3694'	4 JSPF	64 holes

NEWFIELD

Jonah Federal 16-15-9-16

512' FSL &amp; 535' FEL

SE/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32754; Lease #UTU-17985

## Jonah Fed K-15-9-16

Spud Date: 11/19/08  
Put on Production: 1/6/2009  
GL: 5659' KB: 5671'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (312.35')  
DEPTH LANDED: 324.20' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 1 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 159 jts (6088.70')  
DEPTH LANDED: 6101.95'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 280 sx primlite and 400 sx 50/50 poz  
CEMENT TOP AT: 100'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 178 jts (5508.4')  
TUBING ANCHOR: 5520.4' KB  
NO. OF JOINTS: 1 jt (31.08')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5554.3' KB  
NO. OF JOINTS: 2 jts (62.06')  
TOTAL STRING LENGTH: EOT @ 5617.4'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rod  
SUCKER RODS: 1-2', 6', 8' x 7/8" pony subs, 217-7/8" guided rods (8 per), 4-1 1/2" wt bars  
PUMP SIZE: 2 1/2" x 1 3/4" x 16' x 20' RHAC rod pump-CDI  
STROKE LENGTH: 122"  
PUMP SPEED, SPM: 4

FRAC JOB

**12/29/08 5532-5558' Frac CP1 sds as follows:**  
40,600#s of 20/40 sand in 653 bbls of Lightning 17 fluid. Broke @ 2970 psi. Treated w/ ave pressure of 1945 psi w/ ave rate of 29.8 BPM. ISIP 2152 psi. Actual flush: 5027 gals.

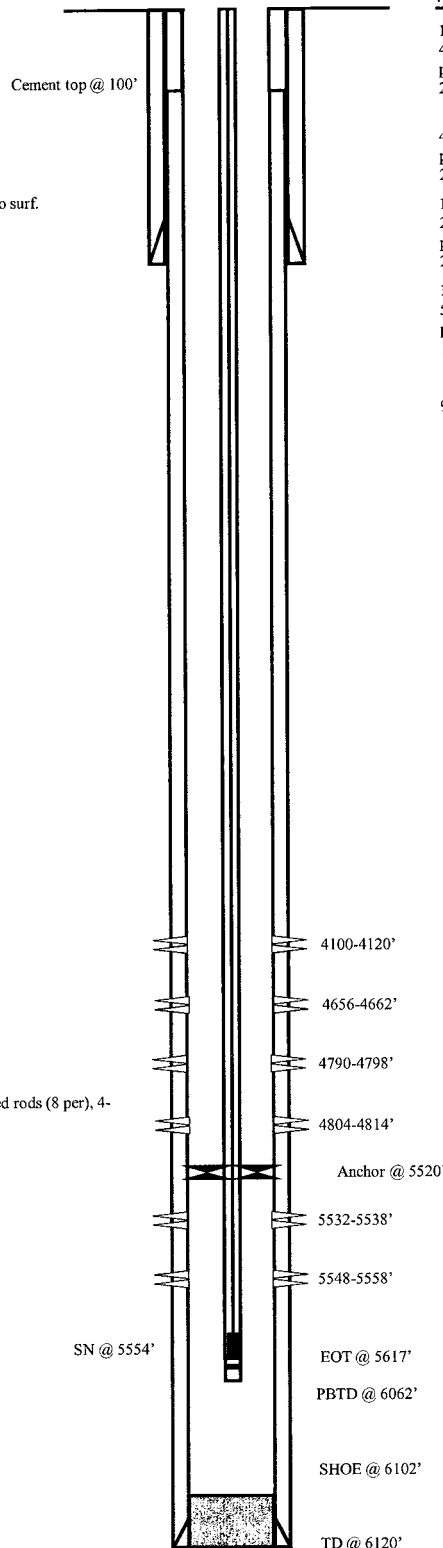
**12/29/08 4790-4814' Frac C sds as follows:**  
44,338#s of 20/40 sand in 438 bbls of Lightning 17 fluid. Broke @ 1770 psi. Treated w/ ave pressure of 2065 psi w/ ave rate of 22.8 BPM. ISIP 2226 psi. Actual flush: 4284 gals.

**12/29/08 4656-4662' Frac D1 sds as follows:**  
24,111#s of 20/40 sand in 340 bbls of Lightning 17 fluid. Broke @ 3208 psi. Treated w/ ave pressure of 2133 psi w/ ave rate of 22.7 BPM. ISIP 2052 psi. Actual flush: 4150 gals.

**12/29/08 4100-4120' Frac GB6 sds as follows:**  
55,828#s of 20/40 sand in 478 bbls of Lightning 17 fluid. Broke @ 1508 psi. Treated w/ ave pressure of 1706 psi w/ ave rate of 22.8 BPM. ISIP 1891 psi. Actual flush: 4099 gals.

9/18/09

Tubing Leak. Updated rod &amp; tubing details.

PERFORATION RECORD

12/29/08	4100-4120'	4 JSPF	80 holes
12/29/08	4656-4662'	4 JSPF	24 holes
12/29/08	4790-4798'	4 JSPF	32 holes
12/29/08	4804-4814'	4 JSPF	40 holes
12/29/08	5532-5538'	4 JSPF	24 holes
12/29/08	5548-5558'	4 JSPF	24 holes

**NEWFIELD****Jonah Fed K-15-9-16**

1839' FNL &amp; 820' FEL

SE/NE Section 15-T9S-R16E

Duchesne Co, Utah

API # 43-013-34014 ; Lease # UTU-017985

DF 11/2/09

## Greater Monument Butte C-15-9-16

Spud Date: 7/11/2011  
 Put on Production: 8/25/2011  
 GL: 5705' KB: 5717'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (312.87')  
 DEPTH LANDED: 323.19' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 170 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts. (6179.07') – Including Shoe Joint  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6196.68' KB  
 CEMENT DATA: 245 sxs Prem. Lite II mixed & 460 sxs 50/50 POZ  
 CEMENT TOP AT: 23'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 178 jts. (5621.92')  
 TUBING ANCHOR: 5632' KB  
 NO. OF JOINTS: 1 jt. (31.6')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5666.3' KB  
 NO. OF JOINTS: 2 jts. (63.2')  
 NOTCHED COLLAR: 5730.6' KB  
 TOTAL STRING LENGTH: EOT @ 5731' KB

SUCKER RODS

POLISHED ROD: 1 1/2" x 30' Spray Metal Polished Rod  
 SUCKER RODS: 1 – 7/8" x 4' Pony Rod, 120 – 7/8" 4per Guided Rods (3000'), 99 – 3/4" x 4per Guided Rod (2475'), 5 – 1" x 4' Weight Bars (20')  
 PUMP SIZE: 2 1/2 x 1 1/4" x 21' x 24' RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: 5 SPM

FRAC JOB

8/8/2011 5645-5660' **Frac CP1, sands as follows:**  
 Frac with 59554# 20/40 sand in 264 bbls  
 Lightning 17 fluid; 564 bbls total fluid to recover.

8/17/2011 5050-5242' **Frac A3 and B2, sands as follows:**  
 Frac with 44321# 20/40 sand in 209 bbls  
 Lightning 17 fluid; 415 bbls total fluid to recover.

8/17/2011 4918-4924' **Frac C, sands as follows:**  
 Frac with 29822# 20/40 sand in 177 bbls  
 Lightning 17 fluid; 338 bbls total fluid to recover.

8/17/2011 4208-4283' **Frac GB4 and GB6, sands as follows:**  
 Frac with 91815# 20/40 sand in 759 bbls  
 Lightning 17 fluid; 1282 bbls total fluid to recover.

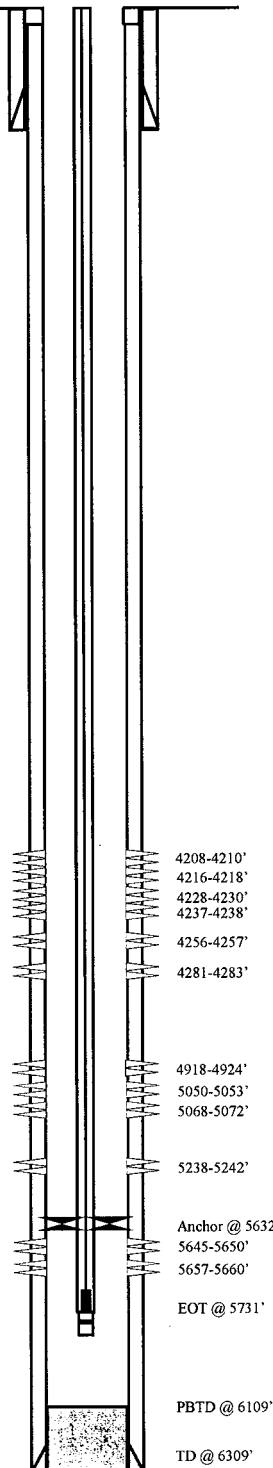
3/28/12 **Pump Change:** updated rod & tubing detail

PERFORATION RECORD

4208-4210'	3 JSPF	6 holes
4216-4218'	3 JSPF	6 holes
4228-4230'	3 JPSF	6 holes
4237-4238'	3 JSPF	3 holes
4256-4257'	3 JSPF	3 holes
4281-4283'	3 JSPF	6 holes
4918-4924'	3 JSPF	18 holes
5050-5053'	3 JSPF	9 holes
5068-5072'	3 JSPF	12 holes
5238-5242'	3 JSPF	12 holes
5645-5650'	3 JSPF	15 holes
5657-5660'	3 JSPF	9 holes



**Greater Monument Butte C-15-9-16**  
 624' FSL & 2022' FWL (SE/SW)  
 Section 10, T9S, R16E  
 Duchesne County, Utah  
 API #43-013-50540; Lease #UTU-72107



## GMBU H-15-9-16

Spud Date: 11/02/2011

Put on Production: 12/22/2011

GL: 5747' KB: 5760'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7jts. (320.22')

DEPTH LANDED: 331.22'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, circ. 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 149 jts. (6207.5') Includes Shoe Jt. (17.77')

DEPTH LANDED: 6227.82'

HOLE SIZE: 7-7/8"

CEMENT DATA: 240 sxs Premlite II &amp; 455 sxs 50/50 POZ.

CEMENT TOP @: 36' per CBL 12/5/11

TUBING (KS 10/2/12)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 191 jts. (5960.8')

TUBING ANCHOR: 5973.8'

NO. OF JOINTS: 1 jt. (31.5')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 6008.1'

NO. OF JOINTS: 2 jts. (62.6')

NOTCHED COLLAR: 6071.8' (0.5')

TOTAL STRING LENGTH: EOT @ 6072'

SUCKER RODS (KS 10/2/12)

POLISHED ROD: 1-1/2" x 30' Polished Rod

SUCKER RODS: 2', 4', 6', 8' x 7/8" Pony Rods, 72 x 7/8" 4per Guided Rods, 160 x 3/4" 4per Guided Rods, 5 x 1" Stabilizer Bars, 5 x 1-1/2" Sinker Bars

PUMP SIZE: 2-1/2" x 1-1/4" x 20' x 24' RHAC

STROKE LENGTH: 146"

PUMP SPEED: 5.0 SPM

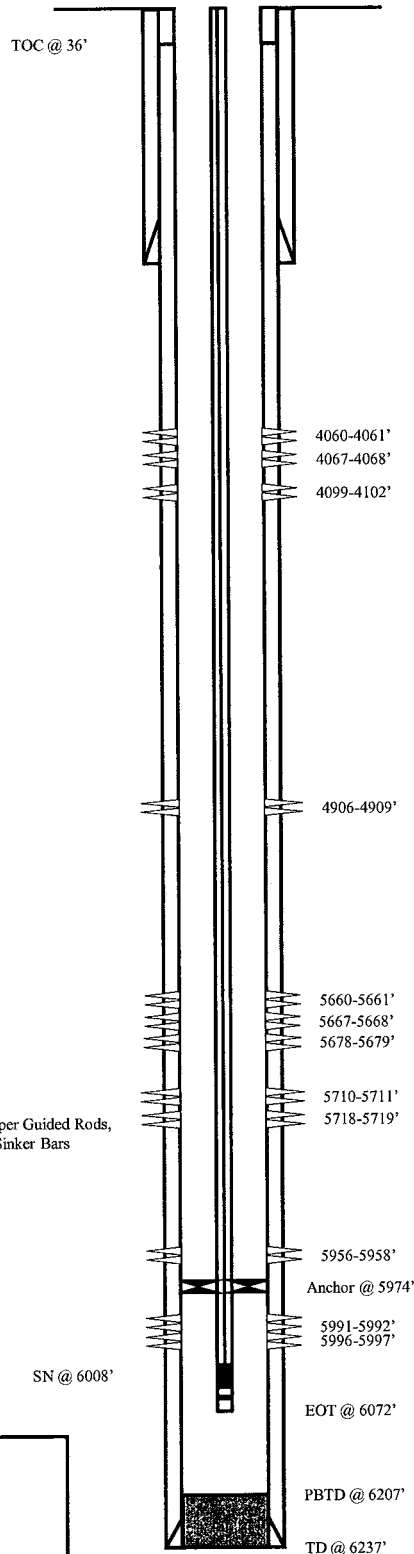
PUMPING UNIT: DARCO C-640-365-168

FRAC JOB

12/05/2011	5956-5997'	<b>Frac CP5, sands as follows:</b> Frac with 18380# of 20/40 white sand in 195 lightning 17 frac fluid; 380 bbls total fluid to recover.
12/09/2011	5660-5719'	<b>Frac CP1 &amp; CP2, sands as follows:</b> Frac with 64995# of 20/40 white sand in 836 lightning 17 frac fluid; 985 bbls total fluid to recover.
12/09/2011	4906-4909'	<b>Frac C, sands as follows:</b> Frac with 15216# in 20/40 white sand in 202 bbls lightning 17 frac fluid; 333 bbls total fluid to recover.
12/09/2011	4060-4102'	<b>Frac GG2 Lime &amp; GB2, sands as follows:</b> Frac with 52859# 20/40 white sand in 394 bbls lightning 17 frac fluid; 541 bbls total fluid to recover.

PERFORATION RECORD

5996-5997'	3 JSPF	3 holes
5991-5992'	3 JSPF	3 holes
5956-5958'	3 JSPF	6 holes
5718-5719'	3 JSPF	3 holes
5710-5711'	3 JSPF	3 holes
5678-5679'	3 JSPF	3 holes
5667-5668'	3 JSPF	3 holes
5660-5661'	3 JSPF	3 holes
4906-4909'	3 JSPF	9 holes
4099-4102'	3 JSPF	9 holes
4067-4068'	3 JSPF	3 holes
4060-4061'	3 JSPF	3 holes

**NEWFIELD****GMBU H-15-9-16**

572' FNL &amp; 2097' FEL (NW/NE)

Section 15, T9S, R16E

Duchesne County, Utah

API #43-013-50639; Lease # UTU-017985

## Greater Monument Butte I-15-9-16

Spud Date: 10/31/2011

Put on Production: 12/16/2011

GL: 5747' KB: 5760'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (318.02')

DEPTH LANDED: 331.34' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 149 jts. (6232.77') -- Includes 15.77' Shoe Joint

HOLE SIZE: 7-7/8"

DEPTH LANDED: 6253.54' KB

CEMENT DATA: 240 sxs Prem. Lite II mixed &amp; 460 sxs 50/50 POZ.

CEMENT TOP AT: 62'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 190 jts. (5934.2')

TUBING ANCHOR: 5947.2' KB

NO. OF JOINTS: 1 jt. (31.3')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED AT: 5981.3' KB

NO. OF JOINTS: 2 jts. (62.5')

NOTCHED COLLAR: 6044.9' KB

TOTAL STRING LENGTH: EOT @ 6045' KB

SUCKER RODS

POLISHED ROD: 1 1/2" x 30' Polished Rod

SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 8' Pony Rod, 71 - 7/8" 4per Guided Rods (1775'), 160 - 3/4" 4per Guided Rods (4000'), 5 - 1 1/2" Weight Bars (125'), 5 - 1" x 4' Stabilizer Bars (20')

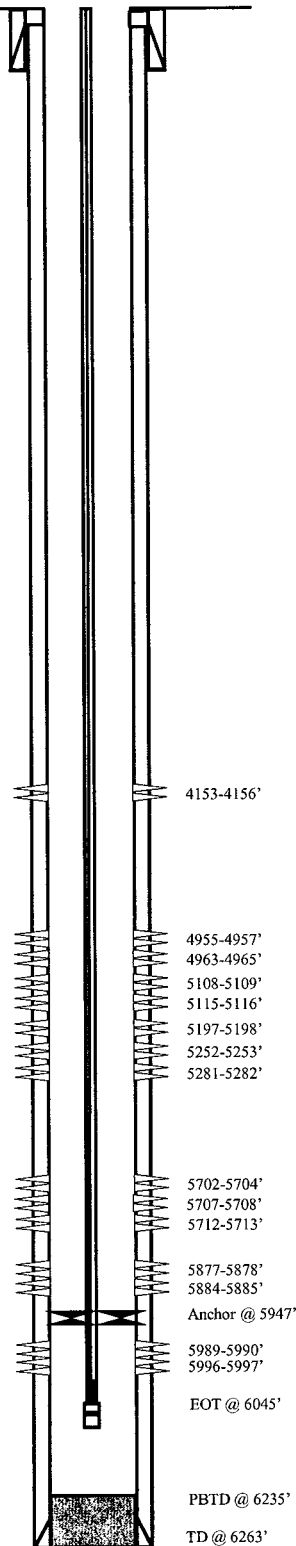
PUMP SIZE: 2 1/2 x 1 3/4" x 20' x 24' RHAC

STROKE LENGTH: 144

PUMP SPEED: 5 SPM

FRAC JOB

12/5/2011	5877-5997'	<b>Frac CP4 and CP5, sands as follows:</b> Frac with 34233# 20/40 white sand in 420 bbls Lightning 17 fluid; 608 total bbls fluid to recover.
12/9/2011	5702-5713'	<b>Frac CP1, sands as follows:</b> Frac with 40317# 20/40 white sand in 485 bbls Lightning 17 fluid; 633 total bbls fluid to recover.
12/9/2011	5108-5282'	<b>Frac B2, A.5, A1 and A3, sands as follows:</b> Frac with 44362# 20/40 white sand in 346 bbls Lightning 17 fluid; 486 total bbls fluid to recover.
12/9/2011	4955-4965'	<b>Frac C-Sand, sands as follows:</b> Frac with 49344# 20/40 white sand in 395 bbls Lightning 17 fluid; 544 total bbls fluid to recover.
12/9/2011	4153-4156'	<b>Frac GB2, sands as follows:</b> Frac with 13873# 20/40 white sand in 122 bbls Lightning 17 fluid; 281 total bbls fluid to recover.

PERFORATION RECORD

4153-4156'	3 JSPF	9 holes
4955-4957'	3 JSPF	6 holes
4963-4965'	3 JSPF	6 holes
5108-5109'	3 JSPF	3 holes
5115-5116'	3 JSPF	3 holes
5197-5198'	3 JSPF	3 holes
5252-5253'	3 JSPF	3 holes
5281-5282'	3 JSPF	3 holes
5702-5704'	3 JSPF	6 holes
5707-5708'	3 JSPF	3 holes
5712-5713'	3 JSPF	3 holes
5877-5878'	3 JSPF	3 holes
5884-5885'	3 JSPF	3 holes
5989-5990'	3 JSPF	3 holes
5996-5997'	3 JSPF	3 holes

NEWFIELD



Greater Monument Butte I-15-9-16

560' FNL &amp; 2080' FEL (NW/NE)

Section 15, T9S, R16E

Duchesne County, Utah

API # 43-013-50640; Lease #UTU-017985

## Greater Monument Butte F-14-9-16

Spud Date: 10/17/2011

Put on Production: 12/8/2011

GL: 5660' KB: 5673'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (306.25')

DEPTH LANDED: 319.57' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 148 jts. (6220.56') - Includes 15.77' Shoe Joint

HOLE SIZE: 7-7/8"

DEPTH LANDED: 6241.11' KB

CEMENT DATA: 230 sxs Prem. Lite II mixed &amp; 472 sxs 50/50 POZ.

CEMENT TOP AT: 28'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 194 jts. (6018.1')

TUBING ANCHOR: 6031.1' KB

NO. OF JOINTS: 1 jt. (31.3')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED AT: 6065.2' KB

NO. OF JOINTS: 2 jts. (61.9')

NOTCHED COLLAR: 6128.2' KB

TOTAL STRING LENGTH: EOT @ 6129' KB

SUCKER RODS

POLISHED ROD: 1 1/2" x 30' Polished Rod

SUCKER RODS: 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 - 7/8" x 8' Pony Rod, 64 - 7/8" 8per Guided Rods (1600'), 170 - 3/4" 4per Guided Rods (4250'), 5 - 1 1/2" Weight Bars (125'), 1 - 1" x 4' 3per Stabilizer Pony

PUMP SIZE: 2 1/2 x 1 1/2" x 20' x 24' RHAC

STROKE LENGTH: 144

PUMP SPEED: 5 SPM

**NEWFIELD**

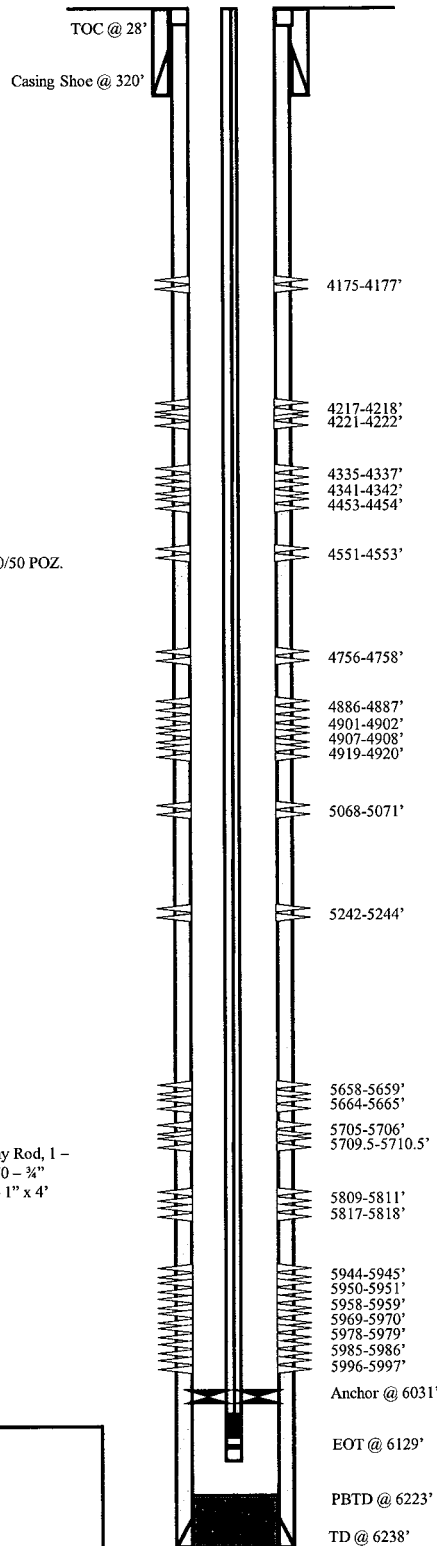
Greater Monument Butte F-14-9-16

1861' FNL &amp; 819' FEL (SE/NE)

Section 15, T9S, R16E

Duchesne County, Utah

API # 43-013-50683; Lease #UTU-017985

FRAC JOB

11/7/2011	5944-5997'	<b>Frac CP5, sands as follows:</b> Frac with 144685# 20/40 white sand in 1132 bbls Lightning 17 fluid; 1321 total bbls fluid to recover.
12/1/2011	5658-5818'	<b>Frac CP1, CP2 and CP3, sands as follows:</b> Frac with 34488# 20/40 white sand in 522 bbls Lightning 17 fluid; 657 total bbls fluid to recover.
12/1/2011	5068-5244'	<b>Frac B2 and A3, sands as follows:</b> Frac with 39809# 20/40 white sand in 321 bbls Lightning 17 fluid; 462 total bbls fluid to recover.
12/1/2011	4756-4920'	<b>Frac D1 and C-Sand, sands as follows:</b> Frac with 30004# 20/40 white sand in 451 bbls Lightning 17 fluid; 566 total bbls fluid to recover.
12/1/2011	4335-4553'	<b>Frac PB7, PB10 and X-Stray, sands as follows:</b> Frac with 45594# 20/40 white sand in 367 bbls Lightning 17 fluid; 492 total bbls fluid to recover.
12/1/2011	4175-4222'	<b>Frac GB4 and GB6, sands as follows:</b> Frac with 26458# 20/40 white sand in 223 bbls Lightning 17 fluid; 344 total bbls fluid to recover.

PERFORATION RECORD

4175-4177'	3 JSPP	6 holes
4217-4218'	3 JSPP	3 holes
4221-4222'	3 JSPP	3 holes
4335-4337'	3 JSPP	6 holes
4341-4342'	3 JSPP	3 holes
4453-4454'	3 JSPP	3 holes
4551-4553'	3 JSPP	6 holes
4756-4758'	3 JSPP	6 holes
4886-4887'	3 JSPP	3 holes
4901-4902'	3 JSPP	3 holes
4907-4908'	3 JSPP	3 holes
4919-4920'	3 JSPP	3 holes
5068-5071'	3 JSPP	9 holes
5242-5244'	3 JSPP	6 holes
5658-5659'	3 JSPP	3 holes
5664-5665'	3 JSPP	3 holes
5705-5706'	3 JSPP	3 holes
5709-5710'	3 JSPP	3 holes
5809-5811'	3 JSPP	6 holes
5817-5818'	3 JSPP	3 holes
5944-5945'	3 JSPP	3 holes
5950-5951'	3 JSPP	3 holes
5958-5959'	3 JSPP	3 holes
5969-5970'	3 JSPP	3 holes
5978-5979'	3 JSPP	3 holes
5985-5986'	3 JSPP	3 holes
5996-5997'	3 JSPP	3 holes

# Castle Peak Fed. 31-15-9-16

Spud Date: 10/26/81  
Put on Production: 12/30/81  
GL: 5743' KB: 5754'

Initial Production: 80 BOPD,  
20 MCFD, 10 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

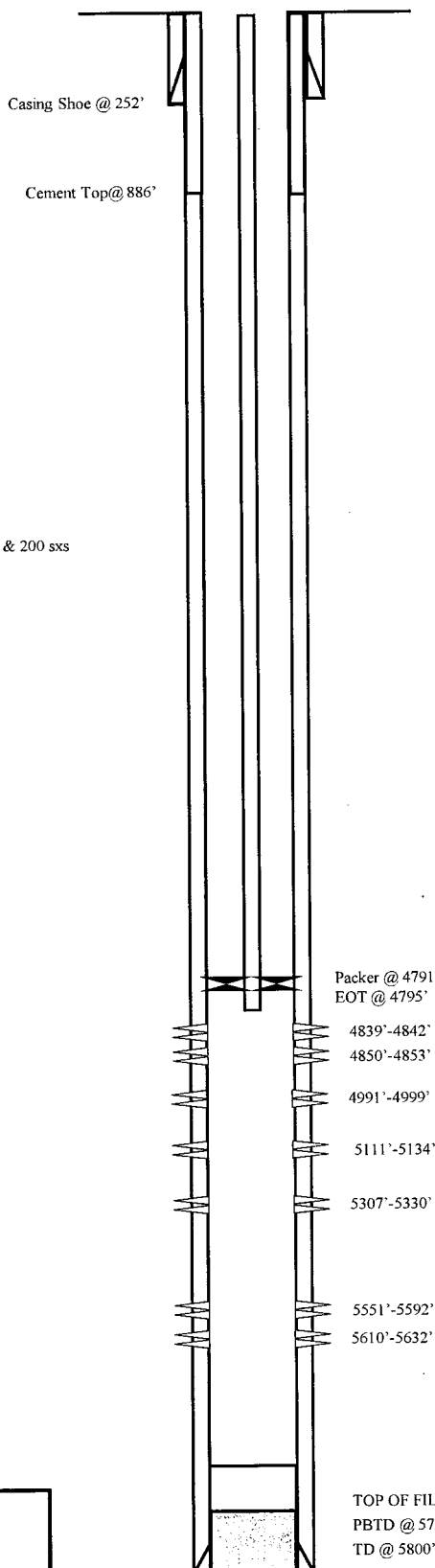
CSG SIZE: 8-5/8"  
GRADE: K-55  
WEIGHT: 24#  
LENGTH: 6 jts. (235.55')  
DEPTH LANDED: 252'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 200 sxs Class "H" cement to surf

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 133 jts. (5789')  
DEPTH LANDED: 5800'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 415 sxs Class "H" & 330 sxs Class "H" & 200 sxs Class "H"  
CEMENT TOP AT: 886' per CBL

### TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 6.5#  
NO. OF JOINTS: 1 jts (31.1')  
TUBING PUP: 4 jts N-80 22.9'  
NO. OF JOINTS: 128 jts (4022')  
ON/OFF SKIRT: 2-7/8" 1.5'  
PACKER ASIX: 2-7/8" 7.3'  
NO. OF JOINTS: 22 jts (692.3')  
XO: 2-3/8" 0.5'  
SEATING NIPPLE: 2-3/8" (1.10')  
SN LANDED AT: 4788.6' KB  
XO: 2-3/8" 0.5'  
STINGER w/ 5- 3" seal: 0.3'  
CE @ 4791.5'  
TOTAL STRING LENGTH: EOT @ 4795'



### FRAC JOB

12/19/81	5551'-5632'	<b>Frac zone as follows:</b> 51,000# 20/40 sand + 59,500# 10/20 sand in 1011 bbls Polaris 30 frac fluid. Treated @ avg press of 1800 psi w/avg rate of 35 BPM. ISIP 1600 psi.
12/20/81	5307'-5330'	<b>Frac zone as follows:</b> 18,000# 20/40 sand + 27,000# 10/20 sand in 357 bbls Polaris 30 frac fluid. Treated @ avg press of 2000 psi w/avg rate of 20 BPM. ISIP 2100 psi.
12/22/81	4991'-5134'	<b>Frac zone as follows:</b> 25,000# 20/40 sand + 36,000# 10/20 sand in 741 bbls Polaris 30 frac fluid. Treated @ avg press of 1900 psi w/avg rate of 30 BPM. ISIP 1600 psi.
8/29/96	4839'-4853'	<b>Frac zone as follows:</b> 17,400# 16/30 sand in 267 bbls KCl frac fluid. Treated @ avg press of 2700 psi w/avg rate of 31.1 BPM. ISIP 1950 psi. Calc. flush: 4839 gal. Actual flush : 4788 gal.
3/01/02		<b>Tubing leak.</b> Update rod and tubing details.
3/29/02		<b>Pump change.</b> Update rod and tubing details.
2-12-08		<b>Stuck Pump.</b> Updated rod & tubing details.
8-1-08		<b>Tubing Leak.</b> Updated rod & tubing details.
7/9/2010		<b>Tubing leak.</b> Updated rod and tubing detail.
6/29/2011		<b>Pump Change.</b> Updated rod & tubing detail.
12/29/11		<b>Convert to Injection Well</b>
01/03/12		<b>Conversion MIT Finalized</b> – update tbg detail

### PERFORATION RECORD

12/19/81	5610'-5632'	1 SPF	22 holes
12/19/81	5551'-5592'	1 SPF	41 holes
12/20/81	5307'-5330'	1 SPF	23 holes
12/22/81	5111'-5134'	1 SPF	23 holes
12/22/81	4991'-4999'	1 SPF	08 holes
8/28/96	4839'-4842'	4 SPF	12 holes
8/28/96	4850'-4853'	4 SPF	12 holes

**NEWFIELD**

Castle Peak Fed. 31-15-9-16

548' FNL & 2062' FEL

NWNE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-30613; Lease #U-017985

# Jonah Fed N-14-9-16

Spud Date: 11/10/2008  
Put on Production: 11/29/2008  
GL: 5682' KB: 5694'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (313.61')  
DEPTH LANDED: 325.46' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sx Class 'g' g cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 157 jts (6281.96')  
DEPTH LANDED: 6137.62'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 280 sx primlite and 425 sx class 'g'  
CEMENT TOP AT: 136'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 168 jts (5161.43')  
TUBING ANCHOR: 5176.13' KB  
NO. OF JOINTS: 1 jt (30.36')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5208.59' KB  
NO. OF JOINTS: 2 jts (61.36')  
TOTAL STRING LENGTH: EOT @ 5269.40'

### SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
SUCKER RODS: 2', 8' x 7/8" ponies, 203-7/8" scraped rods, 4-1 1/2" weight bars  
PUMP SIZE: CDI 2 1/2" x 1 1/4" x 16' x 18' RHAC pump w/sm plunger  
STROKE LENGTH: 122"  
PUMP SPEED, SPM: 4

### FRAC JOB

12/12/08 5187-5200' Frac A3 sds as follows:  
54,910# 20/40 sand in 381 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2380 @ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1379.

12/17/08 4970-4977' RU BJ & frac B1 sds as follows:  
24,046# 20/40 sand in 667 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2400 w/ ave rate of 22 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2107. Actual flush: 4527 gals.

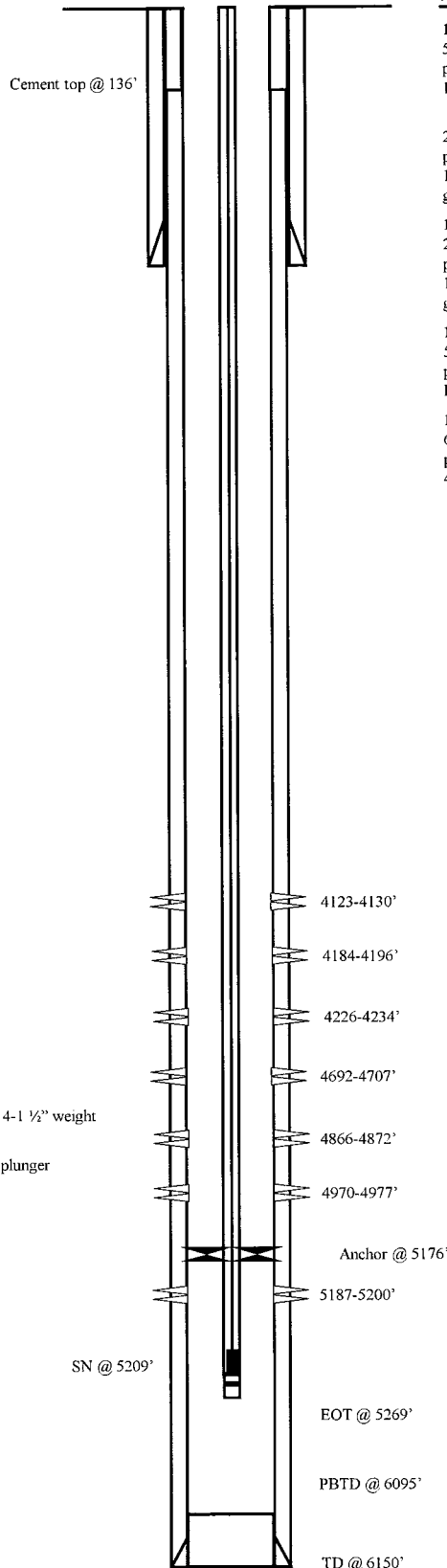
12/17/08 4866-4872' RU BJ & frac stage #3 sds as follows:  
24,952# 20/40 sand in 359 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2506 w/ ave rate of 28 bpm w/ 6 ppg of sand. Spot 6 bbls of 15% HCL acid in flush for next stage. ISIP was 1670. Actual flush: 4670 gals.

12/18/08 4692-4707' Frac D1 sds as follows:  
55,615# 20/40 sand in 492 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1705 psi @ ave rate of 22.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 1924 psi. Actual flush: 4192 gals.

12/18/08 4123-4234' Frac GB sds as follows:  
65,538# 20/40 sand in 570 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1731 psi @ ave rate of 22.2 BPM. ISIP 2036 psi. Actual flush: 4036 gals.

### PERFORATION RECORD

12/9/08	4123-4130'	4 JSPF	28 holes
12/9/08	4184-4196'	4 JSPF	48 holes
12/9/08	4226-4234'	4 JSPF	32 holes
12/9/08	4692-4707'	4 JSPF	60 holes
12/10/08	4866-4872'	4 JSPF	24 holes
12/10/08	4970-4977'	4 JSPF	56 holes
12/10/08	5187-5200'	4 JSPF	52 holes



**NEWFIELD**



**Jonah N-14-9-16**

1823' FSL & 548' FWL

NW/SW Section 14-T9S-R16E

Duchesne Co, Utah

API # 43-013-34011 ; Lease # UTU-096547



# Jonah Federal 9-15-9-16

Spud Date: 6-1-05  
Put on Production: 7-7-05  
GL: 5698' KB: 5710'

Initial Production: 77 BOPD,  
11 MCFD, 59 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts ( 302.72')  
DEPTH LANDED: 314.57' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

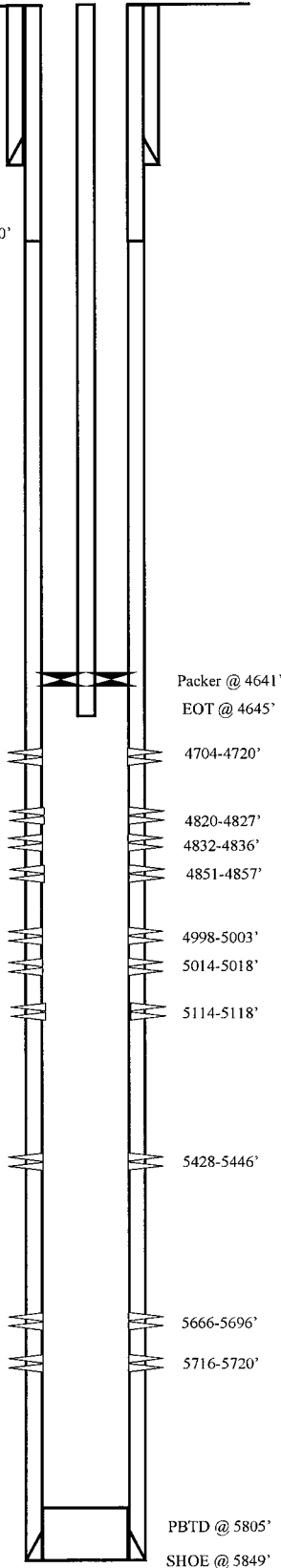
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 138 jts. (5836.02')  
DEPTH LANDED: 5849.27' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 460'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 148 jts (4436.14')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4636.14' KB  
TOTAL STRING LENGTH: EOT @ 4644.69' KB

### FRAC JOB

6-30-05	5666-5696'	<b>Frac CP5 &amp; CP4 sands as follows:</b> 70165# 20/40 sand in 559 bbls Lightning 17 frac fluid. Treated @ avg press of 1230 psi w/avg rate of 24.5 BPM. ISIP 1800 psi. Calc flush: 5664 gal. Actual flush: 5670 gal.
6-30-05	5428-5446'	<b>Frac CP1 sands as follows:</b> 57169# 20/40 sand in 486 bbls Lightning 17 frac fluid. Treated @ avg press of 1346 psi w/avg rate of 24.5 BPM. ISIP 1900 psi. Calc flush: 5426 gal. Actual flush: 5418 gal.
7-1-05	4998-5118'	<b>Frac LODC, A1, A3 sands as follows:</b> 34026# 20/40 sand in 343 bbls Lightning 17 frac fluid. Treated @ avg press of 1820 psi w/avg rate of 24.5 BPM. ISIP 2500 psi. Calc flush: 5996 gal. Actual flush: 4738 gal.
7-1-05	4820-4857'	<b>Frac B2 sands as follows:</b> 49623# 20/40 sand in 426 bbls Lightning 17 frac fluid. Treated @ ave. pressure of 1590 24.5 BPM. ISIP 2000 psi. Calc flush: 4818 gal. Actual flush: 4578 gal.
7-1-05	4704-4720'	<b>Frac C sands as follows:</b> 88671# 20/40 sand in 632 bbls Lightning 17 frac fluid. 24.5 BPM. Treated @ ave. pressure of 1714 ISIP 2000 psi. Calc flush: 4402 gal. Actual flush: 4607 gal.
11/14/06		<b>Well converted to an Injection well.</b>
11/21/06		<b>MIT completed and submitted.</b>



### PERFORATION RECORD

6-24-05	5666-5696'	4 JSPF	120 holes
6-24-05	5716-5720'	4 JSPF	16 holes
6-30-05	5428-5446'	4 JSPF	72 holes
6-30-05	5114-5118'	4 JSPF	16 holes
6-30-05	5014-5018'	4 JSPF	16 holes
6-30-05	4998-5003'	4 JSPF	20 holes
7-1-05	4851-4857'	4 JSPF	24 holes
7-1-05	4832-4836'	4 JSPF	16 holes
7-1-05	4820-4827'	4 JSPF	28 holes
7-1-05	4704-4720'	4 JSPF	64 holes

**NEWFIELD**

**Jonah Federal 9-15-9-16**

1724' FSL & 782' FEL

NE/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32683; Lease #UTU-017985

# NEWFIELD



## GMBU R-15-9-16

Monument Butte - Duchesne County, Utah, USA

Surf Location: NW/SE - Sec 15, T9S, R16E; 2298' FSL & 1811' FEL

5747' GL + 10' KB

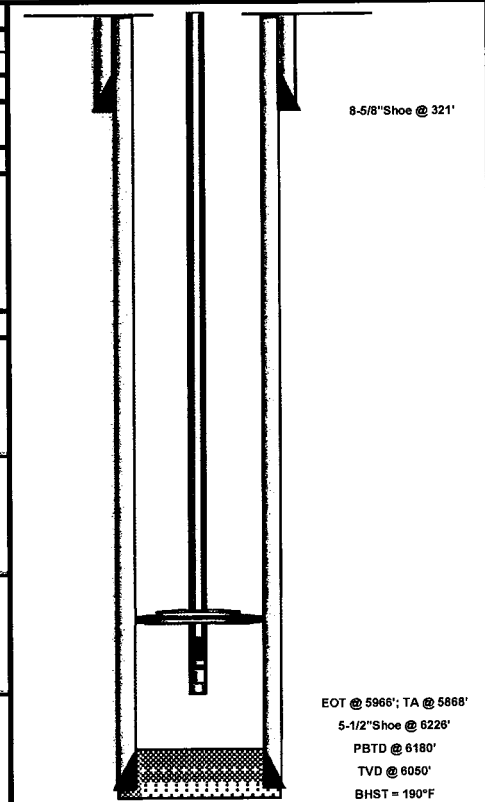
API#: 43-013-51150; Lease#: UTU-017985

Paul Lembcke

DLB 5/10/13

Spud Date: 2/7/13; PoP Date: 3/29/13

CASING DETAIL	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	321'	8.625	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
	Prod	10'	6,226'	5.500	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875
TBG DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5,966'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,868'		
ROD DETAIL	Component			Top	Bottom	Size	Grade	Length	Count	Pump			
	Pony Rod				2'	7/8"	Tenaris D78	2'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5,896'			
	Polish Rod			2'	32'	1 1/2"	4140	30'	1				
	Pony Rod			32'	46'	7/8"	Tenaris D78	14'	1				
	4per Guided Rod			46'	2,021'	7/8"	Tenaris D78	1,975'	79				
	4per Guided Rod			2,021'	5,146'	3/4"	Tenaris D78	3,125'	125				
	8per Guided Rod			5,146'	5,896'	7/8"	Tenaris D78	750'	30				
	Stage	Top	Bottom	SPF	EHD	Date	Frac Summary						
4	4,812'	4,816'	3	0.34	3/14/2013	Formation:	D3						
						20/40 White:	42,047 lbs	15% HCl:			0 gals		
						Pad:	2,570 gals	Treating Fluid:			9,847 gals		
						Flush:	4,817 gals	Load to Recover:			17,234 gals		
						ISIP=	1.053 psi/ft	Max STP:			3,483 psi		
3	4,946'	4,948'	3	0.34	3/14/2013	Formation:	B2 B1						
	4,952'	4,954'	3	0.34	3/14/2013	20/40 White:	45,250 lbs	15% HCl:			504 gals		
	4,994'	4,996'	3	0.34	3/14/2013	Pad:	2,335 gals	Treating Fluid:			12,401 gals		
						Flush:	4,864 gals	Load to Recover:			20,104 gals		
						ISIP=	0.887 psi/ft	Max STP:			2,963 psi		
2	5,138'	5,140'	3	0.34	3/14/2013	Formation:	A3 A1						
	5,152'	5,154'	3	0.34	3/14/2013	20/40 White:	37,155 lbs	15% HCl:			504 gals		
	5,158'	5,160'	3	0.34	3/14/2013	Pad:	2,197 gals	Treating Fluid:			8,871 gals		
						Flush:	5,195 gals	Load to Recover:			16,767 gals		
						ISIP=	0.857 psi/ft	Max STP:			3,273 psi		
1	5,648'	5,649'	3	0.34	3/14/2013	Formation:	CP5 CP2						
	5,656'	5,658'	3	0.34	3/14/2013	20/40 White:	53,233 lbs	15% HCl:			756 gals		
	5,664'	5,665'	3	0.34	3/14/2013	Pad:	8,165 gals	Treating Fluid:			11,671 gals		
	5,694'	5,696'	3	0.34	3/14/2013	Flush:	5,624 gals	Load to Recover:			25,964 gals		
						ISIP=	0.745 psi/ft	Max STP:			3,464 psi		
CEMENT	Surf	On 2/7/13 BJ cemented 8 5/8" casing w/ 175 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 1 bbls to the pit.											
	Prod	On 2/25/13 Halliburton pumped 260 sks lead @ 11 ppg w/ 2.7 yield plus 460 sks tail @ 14.4 ppg w/ 1.21 yield. Returned 47 bbls to the pit. TOC @ 424'.											



# NEWFIELD



## GMBU S-15-9-16

Monument Butte - Duchesne County, Utah, USA

Surf Location: NW/SE - Sec 15, T9S, R16E; 2314' FSL & 1799' FEL

5747' GL + 10' KB

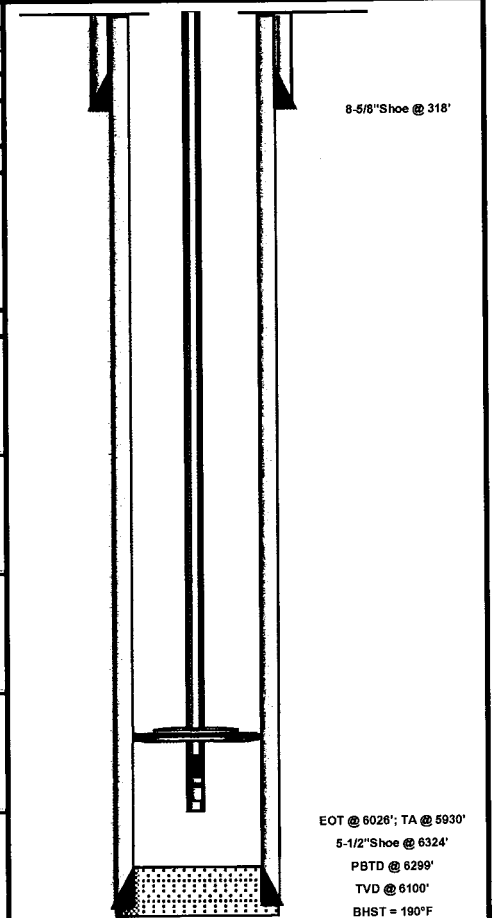
API#: 43-013-51151; Lease#: UTU-017985

Paul Lembcke

DLB 5/10/13

Spud Date: 2/6/13; PoP Date: 3/29/13

CASING DETAIL	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	318'	8.625	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
	Prod	10'	6,324'	5.500	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875
TBG DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	6,026'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @	5,930'	
ROD DETAIL	Component			Top	Bottom	Size	Grade	Length	Count	Pump			
	Pony Rod				2'	7/8"	Tenaris D78	2'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5,959'			
	Polish Rod			2'	32'	1 1/2"	4140	30'	1				
	Pony Rod			32'	34'	7/8"	Tenaris D78	2'	1				
	4per Guided Rod			34'	2,084'	7/8"	Tenaris D78	2,050'	82				
	4per Guided Rod			2,084'	5,209'	3/4"	Tenaris D78	3,125'	125				
	8per Guided Rod			5,209'	5,959'	7/8"	Tenaris D78	750'	30				
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
5	4,748'	4,750'	3	0.34	3/13/2013	Formation:	C-Sand	D3	D1				
	4,845'	4,846'	3	0.34	3/13/2013	20/40 White:	89,895 lbs	15% HCl:		0 gals			
	4,905'	4,907'	3	0.34	3/13/2013	Pad:	529 gals	Treating Fluid:		21,357 gals			
	4,910'	4,912'	3	0.34	3/13/2013	Flush:	5,116 gals	Load to Recover:		27,002 gals			
						ISIP=	0.933 psi/ft	Max STP:		2,912 psi			
4	5,018'	5,019'	3	0.34	3/13/2013	Formation:	B2						
	5,024'	5,025'	3	0.34	3/13/2013	20/40 White:	70,961 lbs	15% HCl:		500 gals			
	5,036'	5,038'	3	0.34	3/13/2013	Pad:	1,361 gals	Treating Fluid:		17,071 gals			
	5,052'	5,054'	3	0.34	3/13/2013	Flush:	5,017 gals	Load to Recover:		23,949 gals			
						ISIP=	0.836 psi/ft	Max STP:		2,668 psi			
3	5,191'	5,192'	3	0.34	3/13/2013	Formation:	LODC	A1	A3				
	5,212'	5,214'	3	0.34	3/13/2013	20/40 White:	50,036 lbs	15% HCl:		500 gals			
	5,324'	5,328'	3	0.34	3/13/2013	Pad:	722 gals	Treating Fluid:		12,697 gals			
						Flush:	5,200 gals	Load to Recover:		19,119 gals			
						ISIP=	0.871 psi/ft	Max STP:		3,713 psi			
2	5,638'	5,640'	3	0.34	3/13/2013	Formation:	CP1	CP-Half					
	5,678'	5,681'	3	0.34	3/13/2013	20/40 White:	25,722 lbs	15% HCl:		500 gals			
						Pad:	1,092 gals	Treating Fluid:		7,735 gals			
						Flush:	5,699 gals	Load to Recover:		15,027 gals			
						ISIP=	0.751 psi/ft	Max STP:		3,481 psi			
1	5,926'	5,928'	3	0.34	3/12/2013	Formation:	CP5	CP4					
	5,946'	5,948'	3	0.34	3/12/2013	20/40 White:	88,554 lbs	15% HCl:		1,890 gals			
	5,950'	5,952'	3	0.34	3/12/2013	Pad:	5,393 gals	Treating Fluid:		23,704 gals			
						Flush:	12,020 gals	Load to Recover:		41,617 gals			
						ISIP=	0.719 psi/ft	Max STP:		3,540 psi			
CEMENT	Surf	On 2/7/13 Pro Petro cemented 8 5/8" casing w/ 175 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 8 bbls to the pit.											
	Prod	On 2/21/13 Halliburton pumped 260 sks lead @ 11 ppg w/ 2.71 yield plus 465 sks tail @ 14.4 ppg w/ 1.21 yield. Returned 42 bbls to the pit. TOC @ 584'.											



# NEWFIELD



## GMBU L-15-9-16

Monument Butte - Duchesne County, Utah, USA

Surf Location: SW/NE - Sec 15, T9S, R16E; 1,885' FNL & 2,005' FEL

5685' GL + 10' KB

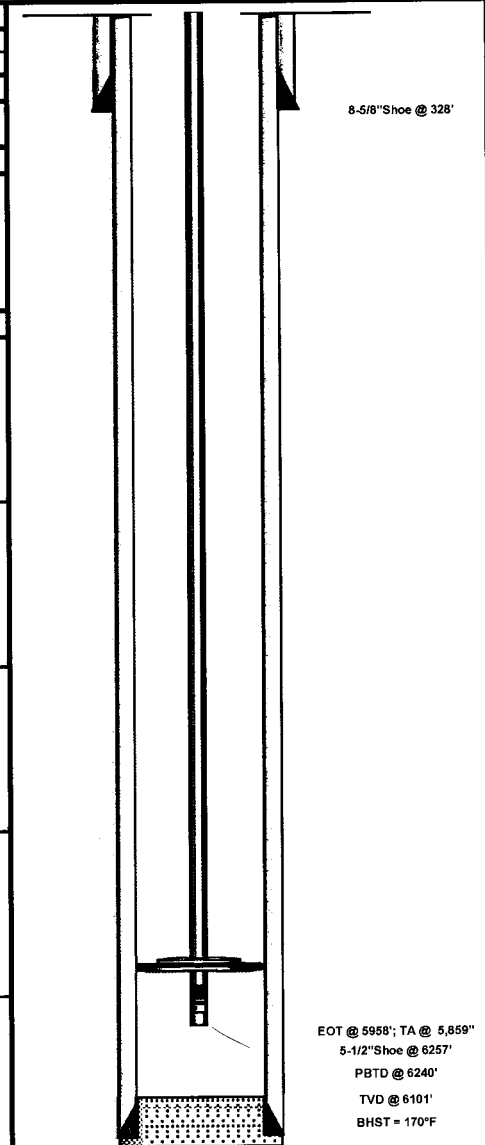
API#: 43-013-51152; Lease#: UTU-017985

Spud Date: 9/24/2012; PoP Date: 2/5/2013

Sam Styles

PFM 4/8/2013

CASING DETAIL	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	328'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
	Prod	10'	6,257'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875
TBG. DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5,958'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @	5,859'	
ROD DETAIL	Component			Top	Bottom	Size	Grade	Length	Count	Pump			
	Polish Rod			0'	30'	1 1/2"	Spray Metal	30'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5,886'. Pump # 2202 (25-175-RHAC-20-4-21-24) w/ 4' SM plunger & 224" max stroke.			
	Pony Rod			30'	32'	7/8"	Tenaris D78	2'	1				
	Pony Rod			32'	36'	7/8"	Tenaris D78	4'	1				
	4per Guided Rod			36'	1,186'	7/8"	Tenaris D78	1,850'	74				
	4per Guided Rod			1,186'	5,186'	3/4"	Tenaris D78	3,300'	132				
	8per Guided Rod			5,186'	5,886'	7/8"	Tenaris D78	700'	28				
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
5	4,165'	4,167'	3	0.34	1/22/2013	Formation:	GB-6						
	4,176'	4,178'	3	0.34	1/22/2013	20/40 White:	44,621 lbs	15% HCl:	0 gals				
	4,190'	4,192'	3	0.34	1/22/2013	Pad:	3,654 gals	Treating Fluid:	13,272 gals				
	0'	0'	3	0.00	-	Flush:	4,158 gals	Load to Recover:	21,084 gals				
	0'	0'	3	0.00	-	ISIP=	1,831 psi	Max STP:	2,811 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
4	4,818'	4,820'	3	0.34	1/22/2013	Formation:	B-0.5 C-Sand						
	4,826'	4,827'	3	0.34	1/22/2013	20/40 White:	42,620 lbs	15% HCl:	504 gals				
	4,844'	4,846'	3	0.34	1/22/2013	Pad:	1,218 gals	Treating Fluid:	10,836 gals				
	0'	0'	3	0.00	-	Flush:	4,830 gals	Load to Recover:	17,388 gals				
	0'	0'	3	0.00	-	ISIP=	2,203 psi	Max STP:	3,430 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
3	4,971'	4,974'	3	0.34	1/22/2013	Formation:	B-3						
	4,987'	4,988'	3	0.34	1/22/2013	20/40 White:	47,459 lbs	15% HCl:	504 gals				
	4,981'	4,993'	3	0.34	1/22/2013	Pad:	924 gals	Treating Fluid:	11,550 gals				
	0'	0'	3	0.00	-	Flush:	4,998 gals	Load to Recover:	17,976 gals				
	0'	0'	3	0.00	-	ISIP=	1,978 psi	Max STP:	3,176 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
2	5,582'	5,583'	3	0.34	1/22/2013	Formation:	CP-4 CP-1						
	5,587'	4,988'	3	0.34	1/22/2013	20/40 White:	70,160 lbs	15% HCl:	504 gals				
	5,763'	5,765'	3	0.34	1/22/2013	Pad:	462 gals	Treating Fluid:	16,464 gals				
	5,767'	5,769'	3	0.34	1/22/2013	Flush:	5,586 gals	Load to Recover:	23,016 gals				
	0'	0'	3	0.00	-	ISIP=	2,021 psi	Max STP:	3,115 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
1	5,872'	5,874'	3	0.34	1/18/2013	Formation:	CP-5						
	5,880'	5,882'	3	0.34	1/18/2013	20/40 White:	90,000 lbs	15% HCl:	756 gals				
	5,895'	5,896'	3	0.34	1/18/2013	Pad:	3,234 gals	Treating Fluid:	16,464 gals				
	5,904'	5,906'	3	0.34	1/18/2013	Flush:	5,880 gals	Load to Recover:	26,334 gals				
	0'	0'	3	0.00	-	ISIP=	1,684 psi	Max STP:	2,851 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
CEMENT	Surf	On 9/18/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 5 bbls to the pit.											
	Prod	On 10/12/12 Baker pumped 138 bbls lead @ 11 ppg w/ 3.53 yield plus 104 bbls tail @ 14.4 ppg w/ 1.24 yield. Returned 38 bbls to the pit. TOC @ Surface.											



EOT @ 5958'; TA @ 5,859'  
5-1/2" Shoe @ 6257'  
PBTD @ 6240'  
TVD @ 6101'  
BHST = 170°F

# NEWFIELD



## GMBU M-15-9-16

Monument Butte - Duchesne County, Utah, USA

Surf Location: NE/SW - Sec 15, T9S, R16E; 1,907' FNL & 2,015' FEL

5904' GL + 10' KB

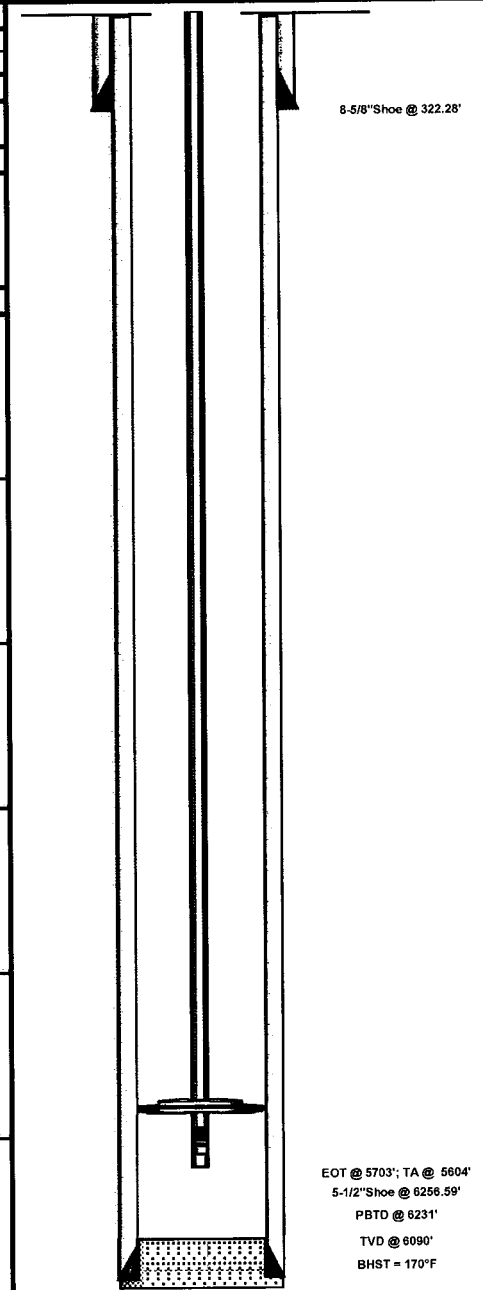
API#: 43-013-51153; Lease #: UTU-017985

Spud Date: 9/25/2012; PoP Date: 2/5/2013

Paul Lembcke

PFM 4/9/2013

CASING DETAIL	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	322'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2,6749	STC	12.250
	Prod	10'	6,257'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875
TBG. DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5,703'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @	5,604'	
ROD DETAIL	Component			Top	Bottom	Size	Grade	Length	Count	Pump			
	Polish Rod			0'	30'	1 1/2"	Spray Metal	30'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHBC @ 5,632'. Pump #2218 ( 2.5-1.75-RHAC-20-4-21-24) w/ 4' SM plunger & 224" max stroke.			
	Pony Rod			30'	32'	7/8"	Tenaris D78	2'	1				
	4per Guided Rod			32'	1,982'	7/8"	Tenaris D78	1,950'	78				
	4per Guided Rod			1,982'	4,932'	3/4"	Tenaris D78	2,950'	118				
	8per Guided Rod			4,932'	5,632'	7/8"	Tenaris D78	700'	28				
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
6	3,999'	4,000'	3	0.34	1/22/2013	Formation:	GB6	GB4	GB2				
	4,007'	4,008'	3	0.34	1/22/2013	20/40 White:	56,732 lbs	15% HCl:	0 gals				
	4,039'	4,040'	3	0.34	1/22/2013	Pad:	1,428 gals	Treating Fluid:	17,976 gals				
	4,045'	4,046'	3	0.34	1/22/2013	Flush:	3,990 gals	Load to Recover:	23,394 gals				
	4,107'	4,108'	3	0.34	1/22/2013	ISIP=	1,988 psi	Max STP:	3,744 psi				
	4,112'	4,114'	3	0.34	1/22/2013								
	0'	0'	3	0.00	-								
5	4,387'	4,390'	3	0.34	1/21/2013	Formation:	PB11	PB10					
	4,420'	4,424'	3	0.34	1/21/2013	20/40 White:	45,103 lbs	15% HCl:	504 gals				
	0'	0'	3	0.00	-	Pad:	7,980 gals	Treating Fluid:	14,994 gals				
	0'	0'	3	0.00	-	Flush:	4,368 gals	Load to Recover:	27,846 gals				
	0'	0'	3	0.00	-	ISIP=	2,131 psi	Max STP:	3,240 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
4	4,779'	4,780'	3	0.34	1/21/2013	Formation:	C-Sand	D3					
	4,824'	4,825'	3	0.34	1/21/2013	20/40 White:	89,511 lbs	15% HCl:	504 gals				
	4,832'	4,834'	3	0.34	1/21/2013	Pad:	3,024 gals	Treating Fluid:	20,790 gals				
	0'	0'	3	0.00	-	Flush:	4,788 gals	Load to Recover:	29,106 gals				
	0'	0'	3	0.00	-	ISIP=	2,228 psi	Max STP:	3,515 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
3	4,960'	4,962'	3	0.34	1/21/2013	Formation:	B2						
	4,968'	4,971'	3	0.34	1/21/2013	20/40 White:	69,103 lbs	15% HCl:	504 gals				
	0'	0'	3	0.00	-	Pad:	1,344 gals	Treating Fluid:	19,194 gals				
	0'	0'	3	0.00	-	Flush:	4,956 gals	Load to Recover:	25,998 gals				
	0'	0'	3	0.00	-	ISIP=	1,924 psi	Max STP:	2,478 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
2	5,108'	5,110'	3	0.34	1/21/2013	Formation:	LODC	A3					
	5,245'	5,246'	3	0.34	1/21/2013	20/40 White:	80,514 lbs	15% HCl:	504 gals				
	5,260'	5,262'	3	0.34	1/21/2013	Pad:	5,796 gals	Treating Fluid:	18,480 gals				
	0'	0'	3	0.00	-	Flush:	5,208 gals	Load to Recover:	29,988 gals				
	0'	0'	3	0.00	-	ISIP=	2,375 psi	Max STP:	3,355 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
1	5,575'	5,576'	3	0.34	1/18/2013	Formation:	CP2	CP1					
	5,584'	5,586'	3	0.34	1/18/2013	20/40 White:	75,414 lbs	15% HCl:	756 gals				
	5,616'	5,620'	3	0.34	1/18/2013	Pad:	2,772 gals	Treating Fluid:	19,866 gals				
	0'	0'	3	0.00	-	Flush:	5,586 gals	Load to Recover:	28,980 gals				
	0'	0'	3	0.00	-	ISIP=	1,756 psi	Max STP:	3,770 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
CEMENT	Surf	On 9/25/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 5 bbls to the pit.											
	Prod	On 10/18/12 Baker pumped 216 sks lead @ 11 ppg w/ 3.53 yield plus 480 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 30 bbls to the pit. TOC @ Surface.											



EOT @ 5703'; TA @ 5604'  
5-1/2" Shoe @ 6256.59'  
PBTD @ 6231'  
TVD @ 6090'  
BHST = 170°F

Units of Measurement: **Standard**

## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Well Name: **SWDIF**Sample Point: **After Filter**Sample Date: **12/4/2012**Sample ID: **WA-229142**Sales Rep: **Michael McBride**Lab Tech: **Gary Peterson**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	12/5/2012	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120.00	Sodium (Na):	734.93	Chloride (Cl):	1000.00
System Pressure 1 (psig):	60.0000	Potassium (K):	11.00	Sulfate (SO <sub>4</sub> ):	120.00
System Temperature 2 (°F):	210.00	Magnesium (Mg):	26.00	Bicarbonate (HCO <sub>3</sub> ):	366.00
System Pressure 2 (psig):	60.0000	Calcium (Ca):	46.20	Carbonate (CO <sub>3</sub> ):	
Calculated Density (g/ml):	0.999	Strontium (Sr):		Acetic Acid (CH <sub>3</sub> COO)	
pH:	6.80	Barium (Ba):	0.17	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	
Calculated TDS (mg/L):	2304.49	Iron (Fe):	0.13	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	
CO <sub>2</sub> in Gas (%):		Zinc (Zn):	0.02	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	
Dissolved CO <sub>2</sub> (mg/L):	15.00	Lead (Pb):	0.00	Fluoride (F):	
H <sub>2</sub> S in Gas (%):		Ammonia NH <sub>3</sub> :		Bromine (Br):	
H <sub>2</sub> S in Water (mg/L):	2.50	Manganese (Mn):	0.04	Silica (SiO <sub>2</sub> ):	

## Notes:

9:30

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> 2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.28	0.01
200.00	60.00	0.19	7.48	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.01
190.00	60.00	0.11	4.25	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.01
180.00	60.00	0.02	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39	0.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.01
150.00	60.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.01
140.00	60.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	0.01
130.00	60.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.01
120.00	60.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.01

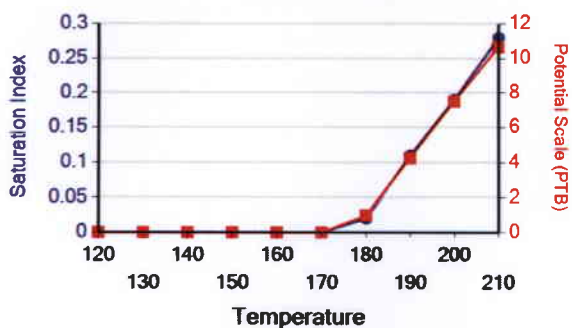
## Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> •0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

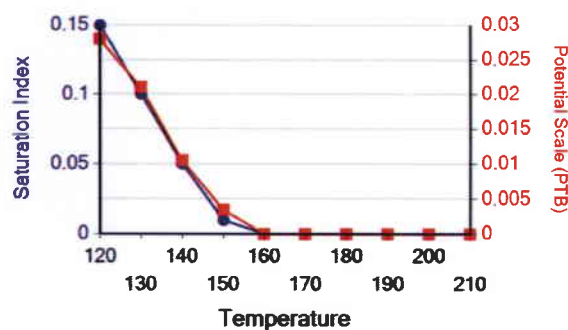
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Zinc Sulfide

These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Zinc Sulfide

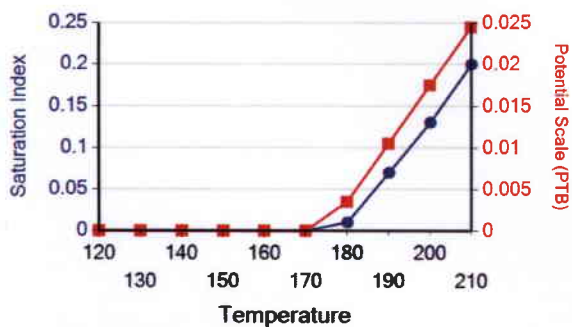
Calcium Carbonate



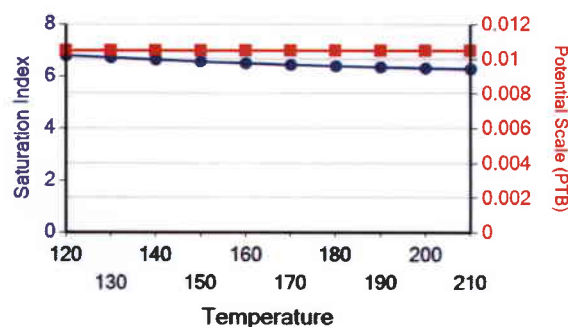
Barium Sulfate



Iron Sulfide



Zinc Sulfide



## Attachment "G"

### Castle Peak Federal #33-15-9-16 Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5217	5230	5224	2450	0.90	2416
5471	5543	5507	1700	0.74	1664
5656	5776	5716	800	0.57	763
				Minimum	<u>763</u>

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



Date: 1-8-77

Perforations / Open Hole: 5217-30, 5471-5505, 5522-43, 5656-64, 5711-10

TIME	DESCRIPTION OF OPERATIONS & COMMENTS
0700	MARU BASIN WELL SERVICE RIG #7 HUNG WELL OFF. COULD NOT INSERT DHP. PUMP TO BBL. HOT WATER DOWN CSG. 31 K RODS OFF. 14' DOWN POLISH ROD & PONY'S. HUNG 44-3/4" X 25' RODS, TO BACK OFF. NO WELL HEAD, NO BOP. POH W/ 8 JTS. 2 3/8 TBG., CAME TO FLUID. COULD NOT GET SWAB DOWN. 1630 S. I.F.D.

Completion Rig	\$ 1333	Tbg.	Jts.	Ft.	\$	Chemicals	\$
Bop Rental	\$	Rods	Jts.	Ft.	\$	Cementing	\$
Tank Rental	\$	Ponies & Pups			\$	Rig Anchors	\$
Hot Oiler	\$ 425	Down Hole Pump			\$	Cats & Graders	\$
Completion Fluid	\$	Ta, Ma, sn,			\$		\$
Log & perferate	\$	Well Head Equip.			\$		\$
Stimulation	\$	Valves & Fittings			\$		\$
Contract Labor	\$	Treater / Separater			\$		\$
Down Hole Tools (rental)	\$	Tanks			\$		\$
Equipment Rental	\$	Pump Unit / Engines			\$		\$
Transportation	\$	DH Tools (Purchase)			\$	Supervision	\$

## Operations Supervisor

Dale Griffin

## EQUITABLE RESOURCES ENERGY COMPANY

## DAILY COMPLETION &amp; WORKOVER REPORT

Date: 1-9-11

Well Name & No. CATTLE PEAK FED. 33-15 Field MONUMENT BUTTE  
 Sec. 15 Twp. 9 S Rng. 16 E County DUCHESENE State UTAH  
 Td. 5960 Pbitd. 5934 Kbm. 14 Grnd. Level 5745 Fill \_\_\_\_\_ Date \_\_\_\_\_  
 Tbg. Size 2 3/8 Type KHE Grade J-55 Thrd. 8RD. Wt. 4.7 Rng. 2  
 Tbg. Size \_\_\_\_\_ Type \_\_\_\_\_ Grade \_\_\_\_\_ Thrd. \_\_\_\_\_ Wt. \_\_\_\_\_ Rng. \_\_\_\_\_  
 Csg. Size 1 1/2 Type \_\_\_\_\_ Grade K-55 Thrd. 8RD. Wt. 15.5 Rng. 3  
 Csg. Size \_\_\_\_\_ Type \_\_\_\_\_ Grade \_\_\_\_\_ Thrd. \_\_\_\_\_ Wt. \_\_\_\_\_ Rng. \_\_\_\_\_  
 Liner Size \_\_\_\_\_ Type \_\_\_\_\_ Grade \_\_\_\_\_ Thrd. \_\_\_\_\_ Wt. \_\_\_\_\_ Rng. \_\_\_\_\_

Perforations / Open Hole: 5217-30 5471-5505 5522-43 5656-64 5760-76

Reason For Job DNP CHANGE + TBG BOTTOM Present Operation \_\_\_\_\_  
 Csg. Press. 0 Tbg. Press. 0 Weather \_\_\_\_\_

TIME	DESCRIPTION OF OPERATIONS & COMMENTS
0700	PUMP 15 BBL. HOT WATER DOWN CSG.
	MADE 1-SWAB RUN TO TOP OF RODS. SWAB DOWN CSG.
	POOH W/29 JTS. 2 3/8 TBG.
	POOH W/132 RODS.
	PUMP 15 BBL. HOT WATER DOWN CSG.
	POOH W/17 JTS. 2 3/8 TBG.
	MADE 2-SWAB RUNS TO TOP OF RODS. SWAB DOWN CSG.
	PUMP 20 BBL. HOT WATER DOWN CSG.
	PUMP OUT OF W/26 JTS. TO FLUID.
	PUMP 20 BBL. HOT WATER DOWN CSG.
	MADE 1-SWAB RUN TO TOP OF RODS. SWAB DOWN CSG.
	POOH W/20 JTS. 2 3/8 TBG. TO FLUID.
	MADE 1-SWAB RUN TO TOP OF RODS. SWAB DOWN CSG.
	POOH W/46 JTS. 2 3/8 TBG. TO RODS.
	PUMP 20 BBL. HOT WATER DOWN CSG.
	BAL. RODS OFF.
	POOH W/14-3/4 X 2.5' RODS.
1800	SWAB D
1-10-4	SHUT DOWN BECAUSE OF HIGH WIND.

Daily Costs: \_\_\_\_\_ Cumulative Costs: \_\_\_\_\_ Load To Recover: 140 bbls. Of WAT F.  
 \_\_\_\_\_ bbls. Of \_\_\_\_\_

Completion Rig	\$ <u>1590</u>	Tbg.	Jts.	Ft.	\$	Chemicals	\$
Bop Rental	\$ <u>150</u>	Rods	Jts.	Ft.	\$	Cementing	\$
Tank Rental	\$	Ponies & Pups			\$	Rig Anchors	\$
Hot Oiler	\$ <u>725</u>	Down Hole Pump			\$	Cats & Graders	\$
Completion Fluid	\$	Ta, Ma, sn,			\$		\$
Log & perforate	\$	Well Head Equip.			\$		\$
Stimulation	\$	Valves & Fittings			\$		\$
Contract Labor	\$	Treater / Separator			\$		\$
Down Hole Tools (rental)	\$	Tanks			\$		\$
Equipment Rental	\$ <u>80</u>	Pump Unit / Engines			\$		\$
Transportation	\$	DH Tools (Purchase)			\$	Supervision	\$

Operations Supervisor

Dale Griffin



## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 5167'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 172' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 35 sx Class "G" cement down 5 ½" casing to 303'

The approximate cost to plug and abandon this well is \$42,000.

## Castle Peak Federal #33-15

Put on Production: 6/2/1982

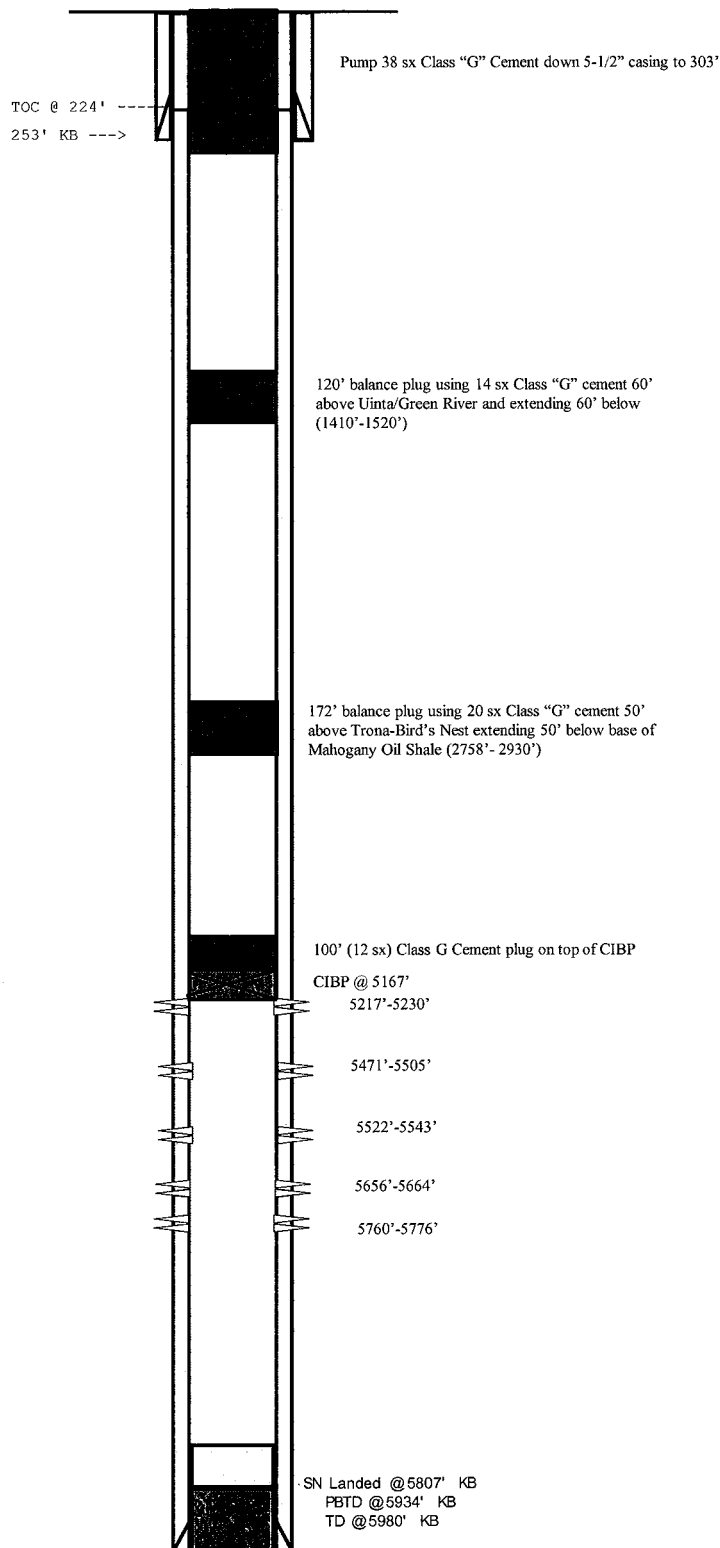
### Proposed P & A Wellbore Diagram

Elev GL @ 5745'  
Elev KB @ 5759' (14' KB)

**SURFACE CASING**  
-----  
8 5/8", 24#, K-55  
6 jts @ 243.35'  
Landed @ 253' KB  
Hole Size @ 12 1/4"  
Cemented w/200 sx Class G w/ 2%  
CaCl & 1/4#/sx Flocele. Cemented  
to surface.

**PRODUCTION CASING**  
-----  
5 1/2", 15.5#, K-55  
143 jts @ 5981'  
Landed @ 5979' KB  
Hole Size @ 7 7/8"  
Cemented w/645 sx Class G & 750  
sx 10.0 RFC w/ additives.  
Cement Top @ 224' from CBL

**TUBING**  
-----  
SIZE/GRADE/WT.: 2 3/8", 4.7 lbs  
NO. OF JOINTS: 187 jts. (5712.4')  
TUBING ANCHOR: 5712.4'  
NO. OF JOINTS: 1 jts. (32.2')  
SEATING NIPPLE: 2 3/8" (1.1')  
PERF. SUB: 2-3/8"x4.00'  
MUD ANCHOR: 2 3/8" x 30'  
TOTAL STRING LENGTH: 5810'  
SN LANDED AT: 5747.4'  
NO. OF JOINTS: 2 jts (60.9')



**NEWFIELD**

CASTLE PEAK FEDERAL #33-15  
Jonah Unit / Monument Butte Field  
Lease No. U-017985 API# 43-013-30632  
NW SE Sec. 15, T9S, R16E  
Duchesne Co., Utah

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-406

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 9, 15, 17, 19, 21, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 10-23 well located in NW/4 SE/4, Section 23, Township 9 South, Range 15 East  
API 43-013-31519

Ashley Federal 12-26-9-15 well located in NW/4 SW/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32905

Ashley Federal 1-27-9-15 well located in NW/4 NW/4, Section 26, Township 9 South, Range 15 East  
API 43-013-33604

Federal 10-8-9-16 well located in NW/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33059

Federal 12-9-9-16 well located in NW/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33969

Castle Peak Federal 33-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 16 East  
API 43-013-30632

West Point 6-17-9-16 well located in SE/4 NW/4, Section 17, Township 9 South, Range 16 East  
API 43-013-32283

Federal 11-19-9-16 well located in NE/4 SW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33160

Federal 11-21-9-16 well located in NE/4 SW/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33144

Federal 4-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East  
API 43-013-33470

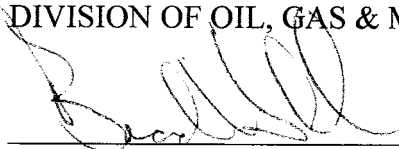
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 26<sup>th</sup> day of February, 2013.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read 'Brad Hill', is written over a horizontal line.

Brad Hill  
Permitting Manager

**Newfield Production Company**

**ASHLEY FEDERAL 10-23, ASHLEY FEDERAL 12-26-9-15,  
ASHLEY FEDERAL 1-27-9-15, FEDERAL 10-8-9-16,  
FEDERAL 12-9-9-16, CASTLE PEAK FEDERAL 33-15,  
WEST POINT 6-17-9-16, FEDERAL 11-19-9-16,  
FEDERAL 11-21-9-16, FEDERAL 4-30-9-16**

**Cause No. UIC-406**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

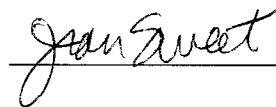
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

February 26, 2013

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-406

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure





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## Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-406

---

**Cindy Kleinfelter** <classifieds@ubstandard.com>

Tue, Feb 26, 2013 at 3:16 PM

To: Jean Sweet <jsweet@utah.gov>

On 2/26/2013 1:12 PM, Jean Sweet wrote:

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary  
Utah Division of Oil, Gas and Mining  
801-538-5329

It will be published March 5, 2013.

Thank you

Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

February 26, 2013

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-406

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

2/27/13

State of Utah Mail - UIC - 406 - Legal Notice



100% Recycled Paper with Soy-Based Ink

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## UIC - 406 - Legal Notice

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**Fultz, Mark** <naclegal@mediaoneutah.com>

Tue, Feb 26, 2013 at 3:31 PM

Reply-To: "Fultz, Mark" <naclegal@mediaoneutah.com>

To: jsweet@utah.gov

AD# 861529

Run Trib/DNews - 2/28

Cost \$287.24

Thank you

Mark

\*\*\*\*\*



**OrderConf.pdf**

128K

## Order Confirmation for Ad #0000861529-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	9001402352	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210, P.O. BOX SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>Email</b>	juliecarter@utah.gov	Jean	mfulltz

**Total Amount** \$287.24

**Payment Amt** \$0.00

<b>Amount Due</b>	\$287.24	<b>Tear Sheets</b>	0	<b>Proofs</b>	0	<b>Affidavits</b>	1
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**Payment Method**

**Confirmation Notes:**

**Text:** Jean

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 84 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	2/28/2013	

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	2/28/2013	

<b>Product</b>	<b>Placement</b>	<b>Position</b>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	2/28/2013	

<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	2/28/2013	

### Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-406

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 9, 15, 17, 19, 21, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
Ashley Federal 10-23 well located in NW/4 SE/4, Section 23, Township 9 South, Range 15 East  
API 43-013-31519  
Ashley Federal 12-26-9-15 well located in NW/4 SW/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32905  
Ashley Federal 1-27-9-15 well located in NW/4 NW/4, Section 26, Township 9 South, Range 15 East  
API 43-013-33604  
Federal 10-8-9-16 well located in NW/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33059  
Federal 12-9-9-16 well located in NW/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33969  
Castle Peak Federal 33-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 16 East  
API 43-013-30632  
West Point 6-17-9-16 well located in SE/4 NW/4, Section 17, Township 9 South, Range 16 East  
API 43-013-32283  
Federal 11-19-9-16 well located in NE/4 SW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33160  
Federal 11-21-9-16 well located in NE/4 SW/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33144  
Federal 4-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East  
API 43-013-33470

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 26th day of February, 2013.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Permitting Manager  
861529

UPAXLP

4770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED.TAX I.D.# 87-0217663  
801-204-6910

The Salt Lake Tribune

WWW.SLTTRIB.COM

MEDIAOne  
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A NEWSPAPER AGENCY COMPANY  
WWW.MEDIAONEUTAH.COM

Deseret News

WWW.DESERETNEWS.COM

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	2/28/2013

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMBER
8015385340	0000861529 /
SCHEDULE	
Start 02/28/2013	End 02/28/2013
CUST. REF. NO.	
Cause - UIC-406	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES	
SIZE	
84 Lines	2.00 COLUMN
TIMES	RATE
4	
MISC. CHARGES	AD CHARGES
TOTAL COST	
287.24	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-406

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 9, 15, 17, 19, 21, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-32905  
Ashley Federal 1-27-9-15 well located in NW/4 NW/4, Section 26, Township 9 South, Range 15 East  
API 43-013-33604  
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API 43-013-33059  
Federal 12-9-9-16 well located in NW/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33969  
Green River Federal 23-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 16 East  
API 43-013-30632  
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API 43-013-32283  
Federal 11-19-9-16 well located in NE/4 SW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33160  
Federal 11-21-9-16 well located in NE/4 SW/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33144  
Federal 4-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East  
API 43-013-33470

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

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Dated this 26th day of February, 2013.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Permitting Manager  
861529

UPAXU

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-406 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

Start 02/28/2013

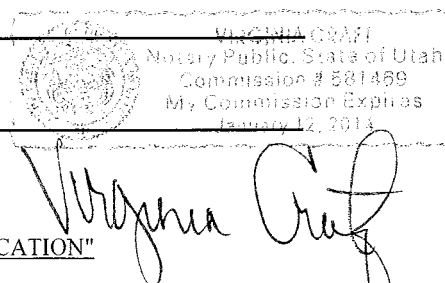
End 02/28/2013

PUBLISHED ON

SIGNATURE

2/28/2013

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT



Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066

Phone: 435-722-5131  
 Fax: 435-722-4140



Invoice Number Invoice Date

42640

3/5/2013

Advertiser No.

Invoice Amount

Due Date

2080

\$145.85

4/4/2013

DIVISION OF OIL GAS & MINING  
 Rose Nolton  
 1594 W. N.TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

1 1/2% fee will be charged to all  
 past due balances.

Amount Enclosed

Please detach top portion and return with your payment

# INVOICE

Uintah Basin Standard

DIVISION OF OIL GAS & MINING

Invoice No. 42640

3/5/2013

Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
3/5/2013	21150	UBS				\$145.85
		UBS Legal Notice: Not of Agency Action: Cause No. UIC-406 Pub. March 5, 2013				

Sub Total: \$145.85

Total Transactions: 1

Total: \$145.85

SUMMARY Advertiser No. 2080 Invoice No. 42640

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

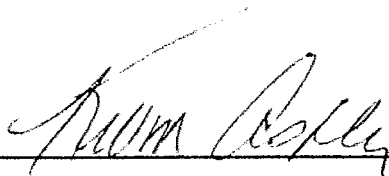
Thank you for advertising with us, we appreciate your business!

4250/REB.GOODLADMIN/G-F-13/6131

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 5 day of March, 20 13, and that the last publication of such notice was in the issue of such newspaper dated the 5 day of March, 20 13, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.




Publisher

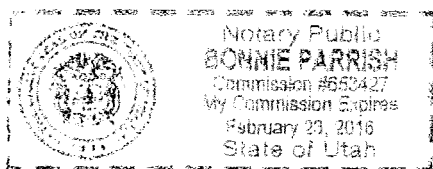
Subscribed and sworn to before me on this

5 day of March, 20 13

by Kevin Ashby.



Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-406

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF NEW-FIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 9, 15, 17, 19, 21, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-32905

Ashley Federal 1-27-9-15 well lo-

cated in NW/4 NW/4, Section 26, Township 9 South, Range 15 East

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API 43-013-32283  
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API 43-013-33160  
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API 43-013-33144  
Federal 4-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East

API 43-013-33470  
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days



Erinace / A. M. H.  
Notary Public



Notary Public  
BONNIE PARRISH  
Commission #550427  
My Commission Expires  
February 23, 2016  
State of Utah

injection wells.

Greater Monument  
Butte Unit:

Ashley Federal 10-  
23 well located in  
NW/4 SE/4, Section  
23, Township 9 South,  
Range 15 East

API 43-013-31519

Ashley Federal 12-  
26-9-15 well located  
in NW/4 SW/4, Section  
26, Township 9 South,  
Range 15 East.

API 43-013-32905

Ashley Federal  
1-27-9-15 well lo-

ministrative Proce-  
dures.

Selected zones in the  
Green River Formation  
will be used for water  
injection. The maxi-  
mum requested injec-  
tion pressures and rates  
will be determined  
based on fracture gra-  
dient information sub-  
mitted by Newfield  
Production Company.

Any person desir-  
ing to object to the  
application or oth-  
erwise intervene in  
the proceeding, must  
file a written protest  
or notice of interven-  
tion with the Division  
within fifteen days  
following publication  
of this notice. The Di-  
vision's Presiding Of-  
ficer for the proceeding  
is Brad Hill, Permitting  
Manager, at P.O. Box  
145801, Salt Lake City,  
UT 84114-5801, phone  
number (801) 538-  
5340. If such a protest  
or notice of interven-  
tion is received, a hear-  
ing will be scheduled  
in accordance with  
the aforementioned  
administrative pro-  
cedural rules. Protes-  
tants and/or interven-  
ers should be prepared  
to demonstrate at the  
hearing how this matter  
affects their interests.

Dated this 26th day  
of February, 2013.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

/s/ Brad Hill

Permitting Manager

Published in the  
Utah Basin Standard  
March 5, 2013.

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Castle Peak Federal 33-15-9-16

**Location:** 15/9S/16E      **API:** 43-013-30632

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 253 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,979 feet. The cement bond log is problematic but appears to demonstrate adequate bond in this well up to possibly as high as 988 feet. A 2 7/8 inch tubing with a packer is proposed to be set at 5,167 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (7/11/2013), based on surface locations, there are 11 producing wells, 8 injection wells, and 2 shut-in wells (one of which is the proposed injection well) in the AOR. Two of the producing well are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. In addition, there is 1 surface location outside the AOR, from which a directional well is being drilled to a bottom hole location inside the AOR. Finally, there is a new proposed location for a horizontal well with a surface location outside the AOR and a bottom hole location inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2700 feet. Injection shall be limited to the interval between 3,902 feet and 5,934 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 33-15-9-16 well is 0.57 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 763 psig. The requested maximum pressure is 763 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Castle Peak Federal 33-15-9-16**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 3/14/2013 (rev. 7/11/2013)



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

July 11, 2013

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well; Castle Peak Federal 33-15, Section 15, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-30632

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\ tubing pressure test shall be conducted prior to commencing injection.
4. **At the time of conversion, a representative connate water sample shall be obtained from the injection interval for the purpose of laboratory analysis to determine compatibility with the proposed injectate water.**
5. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
6. The top of the injection interval shall be limited to a depth no higher than 3,902 feet in the Castle Peak Federal 33-15 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

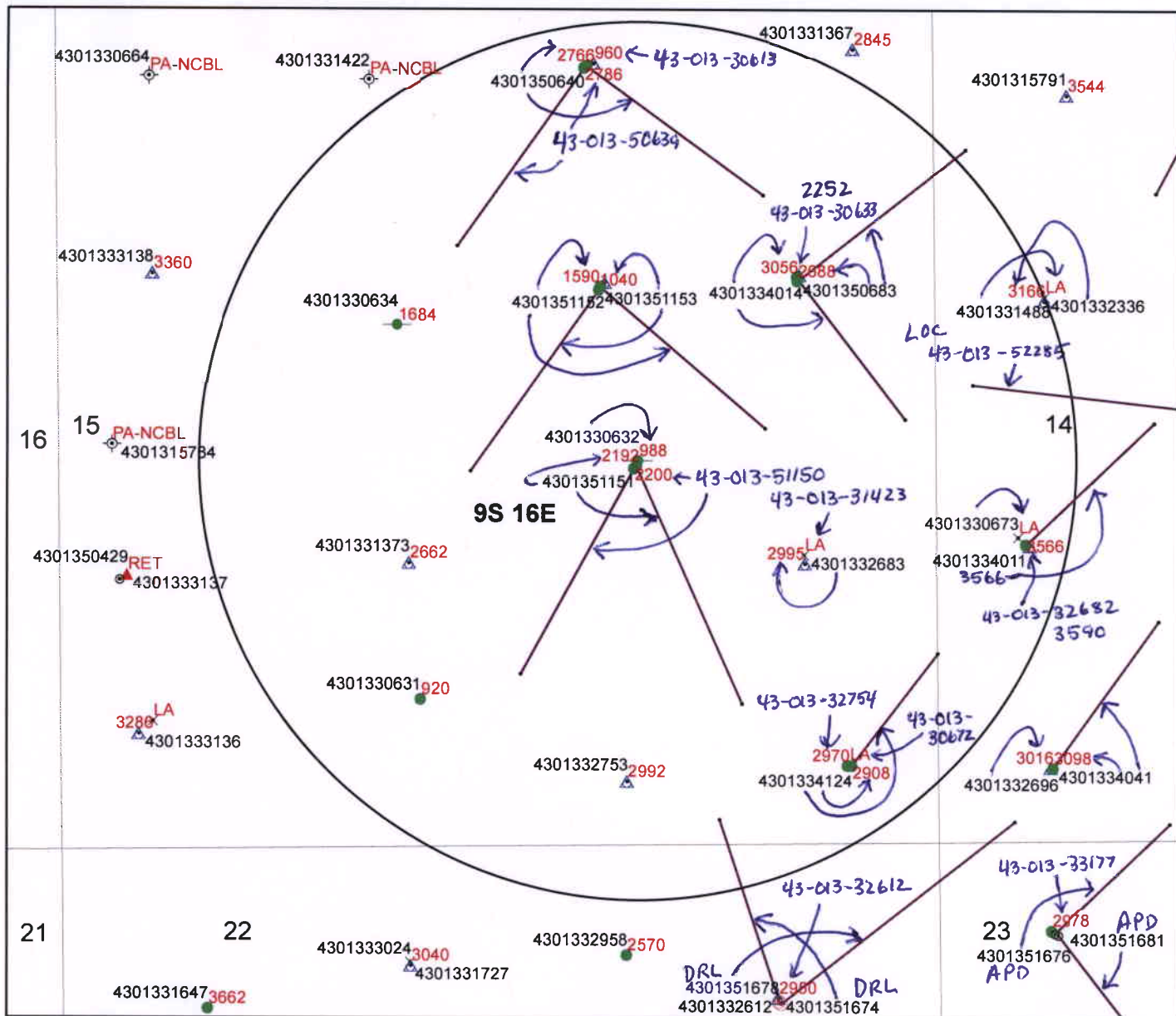
Sincerely,

John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File





### Legend

#### Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊙ GIW-Gas Injection Well
- <sub>GS</sub> GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊙ PGW-Producing Gas Well
- POW-Producing Oil Well
- ▲ RET-Returned APD
- ⊙ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊙ TA-Temp Abandoned
- TW-Test Well
- ⊙ WDW-Water Disposal Well
- △ WIW-Water Injection Well
- WSW-Water Supply Well

- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbtltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

0 0.05 0.1 0.2 0.3 0.4 Miles





GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

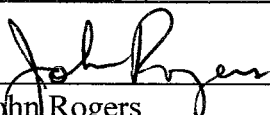
Cause No. UIC-406

**Operator:** Newfield Production Company  
**Well:** Castle Peak Federal 33-15  
**Location:** Section 15, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-30632  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 11, 2013.
2. Maximum Allowable Injection Pressure: 763 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,902' – 5,934')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

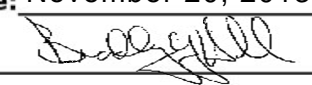
11/25/13  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Jill Loyle, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-017985
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> CASTLE PK FED 33-15
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2341 FSL 1790 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 15 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013306320000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/10/2013	<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p>The subject well has been converted from a producing oil well to an injection well on 10/09/2013. On 10/09/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/10/2013 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. Per UDOGM conversion stipulations a water analysis report is attached.</p>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto		<b>PHONE NUMBER</b> 435 646-4874
<b>SIGNATURE</b> N/A		<b>TITLE</b> Water Services Technician
<b>DATE</b> 10/22/2013		<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> November 20, 2013 <b>By:</b> 

# Casing or Annulus Pressure Test

**Newfield Production Company****Rt. 3 Box 3630****Myton, UT 84052****435-646-3721**Witness: \_\_\_\_\_ Date 10/10/13 Time 9:00 am pmTest Conducted by: P. L. B. B. B.

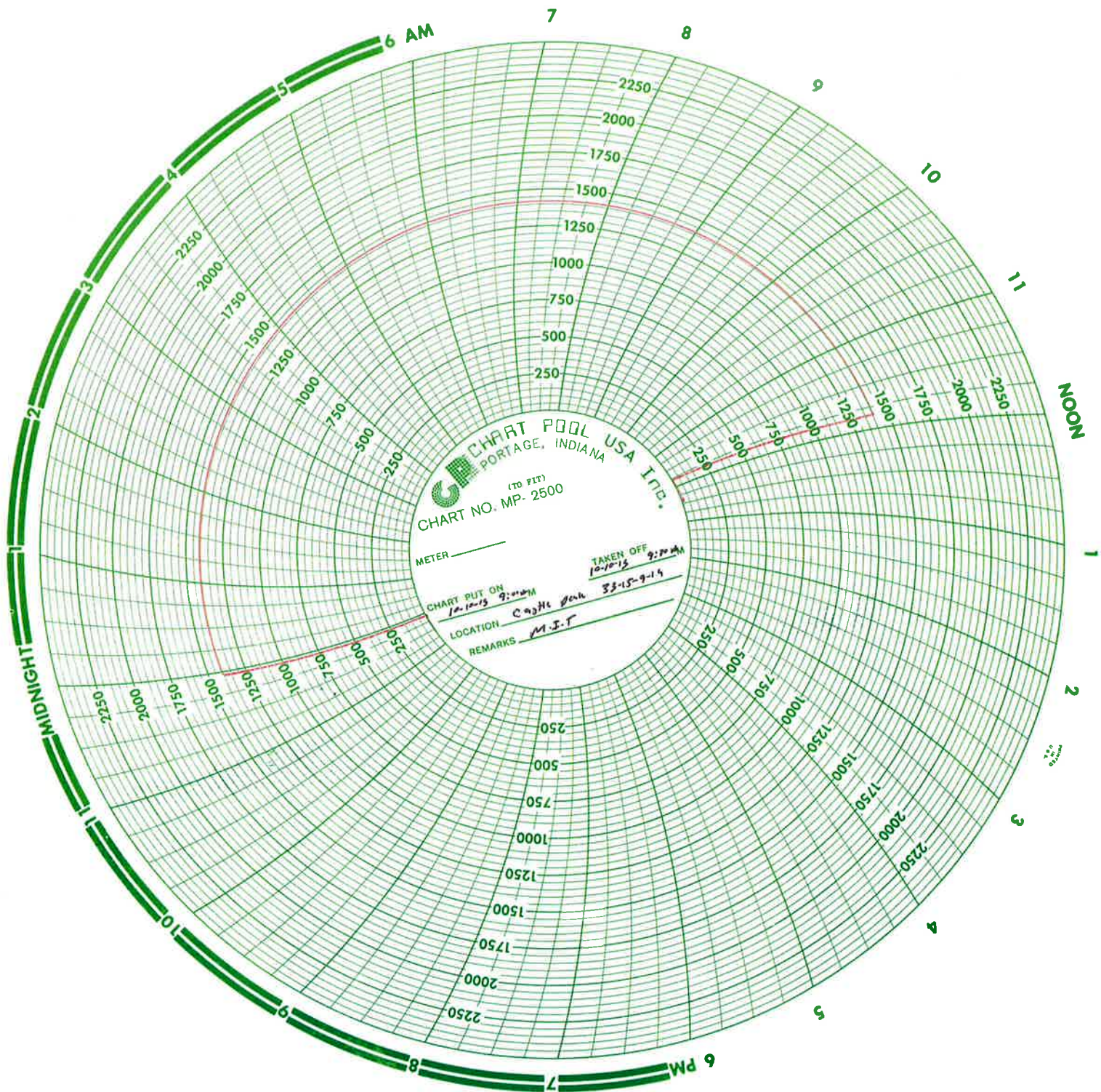
Others Present: \_\_\_\_\_

**Well:** Castle Peak 33-15-9-16**Field:** Monument Butte**Well Location:** Castle Peak 33-15-9-15  
NW/SE Sec. 15, T9S, R16E  
Duchesne County, Utah**API No:** 4301330632

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1400</u>	psig
5	<u>1400</u>	psig
10	<u>1400</u>	psig
15	<u>1400</u>	psig
20	<u>1400</u>	psig
25	<u>1400</u>	psig
30 min	<u>1400</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 0 psig**Result:**Pass**Fail****Signature of Witness:** \_\_\_\_\_**Signature of Person Conducting Test:** P. L. B. B. B.





NEWFIELD



## Summary Rig Activity

Well Name: Castle PK 33-15-9-16

Primary Job Type	Job Start Date	Job End Date

Daily Operations		Report End Date	24hr Activity Summary
Report Start Date	9/30/2013	10/1/2013	MIRUWOR, RU pump and lines, MIRUHO and heat water. RU rod equip and flush tbq, POOH w/ rods. Made up BOPS on frac vlv and SDFN.
Start Time		00:00	End Time Comment SDFN
Start Time		06:30	End Time Comment Safety meeting
Start Time		07:00	End Time Comment MIWOR and equipment. Pumped 60 bbls hot prod wtr dwn csg.
Start Time		08:30	End Time Comment Spot WOR, post trips, prep to RU. RUWOR and pull head.
Start Time		10:00	End Time Comment BO 200 lbs pressure off tbq.
Start Time		11:30	End Time Comment flush tbq w/ 40 bbls.
Start Time		12:30	End Time Comment POOH w/ 16' polish rod, 97- 3/4" 4 per, 105- 3/4" slicks, had to stop twice and flush w/ 30 bbls hot prod. wtr.
Start Time		16:30	End Time Comment XO to 2 3/8" tbq equipment. Made up BOPS on frac vlv.
Start Time		17:30	End Time Comment SWIFN.
Start Time		18:00	End Time Comment SDFN
Report Start Date	10/1/2013	Report End Date	10/2/2013
		24hr Activity Summary	
		NU BOPS, floor and tongs. MU H-ylv, RIH and set at surface. Test BOPS and frac vlv. PU tbq to RIH and tag @ 5880'. LD 9 jnts and RU to swab in sample from formation. POOH w/ tbq doping and breaking collars.	
Start Time		00:00	End Time Comment
Start Time		06:30	End Time Comment
Start Time		07:00	End Time Comment Pull 1 jnt and MU H vlv. RIH w/ H vlv and set at 30'. MIRU B&C quick test. test BOPS, replace blown out hydraulic hose on accumulator. Retrieve packer.
Start Time		10:00	End Time Comment PU 9 jnts of 2 3/8" tbq and RIH to tag @ 5880'. 99' of fill. LD 9 jnts 2 3/8" tbq.
Start Time		10:30	End Time Comment RU swab equip. made 4 runs, pulled 40 bbls and caught a fluid sample. RD swab equipment.
Start Time		13:00	End Time Comment POOH, w/ 2 3/8" tbq breaking and doping on the way out. Stood back 132 jnts. LD 49 jnts 2 3/8" tbq.
Start Time		17:00	End Time Comment SDFN.
Start Time		17:30	End Time Comment
Start Time		00:00	End Time Comment
Report Start Date	10/2/2013	Report End Date	10/3/2013
		24hr Activity Summary	
		Trip in hole with frac string off of float running a bit and scraper. POOH standing back in derrick. MIRUWLT. RIH with three separate runs to perf GB-6, D1, and B2 sands. POOH w/ WL and RDMOWLT. SWIFN.	
Start Time		00:00	End Time Comment
Start Time		06:30	End Time Comment





## Summary Rig Activity

Well Name: Castle PK 33-15-9-16

## Job Dates

Job Category

Job Start Date

Job End Date

Start Time	07:00	End Time	07:30	Comment
Start Time	07:30	End Time	10:00	SICP @ 0. Rig maintenance.
Start Time	10:00	End Time	14:00	X-over to 2-7/8" equipment. Prep and tally 2 7/8" frac string on float. Change out ram blocks to 2 7/8".
Start Time	14:00	End Time	17:00	RIH w/ bit and scraper, 182 jnts 2 7/8" frac string to tag up at 5880'.
Start Time	17:00	End Time	19:30	POOH stand back frac string in derrick. LD bit and scraper.
Start Time	19:30	End Time	20:00	MIRUWLT, RIH 3 times to perf three stages. RDMOWLT.
Start Time	20:00	End Time	00:00	SDFN
Report Start Date	10/3/2013	Report End Date	10/4/2013	24hr Activity Summary
Start Time	00:00	End Time	06:30	RIH w/ plug, packer, and frac string. Break down perfs and prep for frac crew.
Start Time	06:30	End Time	07:00	Comment
Start Time	07:00	End Time	07:30	SICP @ 0 psi.
Start Time	07:30	End Time	12:00	Comment
Start Time	12:00	End Time	15:30	MU RBP & PKR, RIH w/ 131 jnts 2 7/8" N-80, set RBP @ 4187'. Pld 4 jnts, set pkr @ 4059', BD zone: filled tbg w/ 5 bbls, brk @ 3700 psi, 1 BPM @ 2700 psi IR. Rls pkr & retr plg. RIH w/16 jnts 2 7/8" N-80, set RBP @ 4691', Pld 4 jnts, set pkr @ 4563'. Fld tbg w/ 3 bbls. BD zone: Brk @ 2700 psi, 1 BPM @ 2100 psi IR. Rls pkr, retr RBP, RIH w/ 9 jnts, set RBP @ 4972'. PLD 4 jnts, set pkr @ 4846'. FLD tbg w/ 1 bbl, BD zone, brk @ 2700 psi, 1 bpm @ 2700 psi IR.
Start Time	15:30	End Time	16:00	Comment
Start Time	16:00	End Time	00:00	Finish RU pmp lines while waiting on frac crew.
Report Start Date	10/4/2013	Report End Date	10/5/2013	24hr Activity Summary
Start Time	00:00	End Time	06:30	Set tools and Frac stgs 1-3 flowing back inbetween.
Start Time	06:30	End Time	07:00	Comment
Start Time	07:00	End Time	10:00	SICP @ 0, SITP @ 0. Waiting on frac crew. Rebuild choke, clean up location.
Start Time	10:00	End Time	20:30	Comment
Start Time	20:30	End Time	21:00	MIRU frac crew and equipment. Frac stg 1. FB, rls pkr, and washed 30' of sand off RBP. Latched onto RBP and moved tools up holw to set RBP @ 4691'. Set pkr @ 4563'. Frac stg 2. FB to tank and then rls pkr. Washed 30' of sand off RBP. Latched onto RBP and moved tools up hole. Set RBP at 4187'. Set pkr @ 4059'. Frac stg 3. FB to tank while RD frac crew and equipment.
Start Time	21:00	End Time	00:00	Comment
Start Time	00:00	End Time	00:00	SWIFN. Clean up for the night.
Start Time	00:00	End Time	00:00	Comment



Well Name: Castle PK 33-15-9-16

## Summary Rig Activity

Sundry Number: 44023 API Well Number: 43013306320000

Daily Operations			
Report Start Date	Report End Date	24hr Activity Summary	
10/7/2013	10/8/2013	LD frac string, x-over to 2 3/8" tbg, RIH w/ injection string.drop standing vlv and try to pressure test.	
Start Time	End Time	Comment	
	06:30		
Start Time	End Time	Comment	
	06:30		
Start Time	End Time	Comment	
	07:00		
Start Time	End Time	Comment	
	07:30	TBG 550 PSI, CSG 0 PSI, RIG MAINTENANCE	
Start Time	End Time	Comment	
	09:00	BD TBG TO FLAT TNK, RLS PKR, co 30' OF SND OFF RBP, LATCH ONTO AND RLS RBP.	
Start Time	End Time	Comment	
	14:00	LD 182 JNTS 2 7/8" FRAC STRG, PKR & RBP.	
Start Time	End Time	Comment	
	15:00	XO TBG EQUIP TO 2 3/8", ELEVATORS, SLIPS, AND RAM BLOCKS.	
Start Time	End Time	Comment	
	17:00	RIH W/ 2 3/8" COLLAR, XN, COLLAR, 2 3/8' SUB, PKR, ON/OFF TOOL, AND INJECTION STRING.	
Start Time	End Time	Comment	
	18:30	PUMP 10 BBL PAD, DROPD STNDG VLV, PUMPED 60 BBLs, COULDN'T GET PT OVER 700 PSI.	
Start Time	End Time	Comment	
	19:00	SWIFN.	
Start Time	End Time	Comment	
	00:00		
Report Start Date	Report End Date	24hr Activity Summary	
10/8/2013	10/9/2013	Flush SV to SN. PT tbg to 3000 psi for 30 min. RU sand line to retrieve SV. Tried flush and pump it down. Tried to pump hot wir. No luck. POOH w/ SL.	
Start Time	End Time	Comment	
	06:30		
Start Time	End Time	Comment	
	07:00		
Start Time	End Time	Comment	
	07:30	SITP @ 0, SICP @ 0. Inspect rig.	
Start Time	End Time	Comment	
	10:00	RU sandline, RIH and stacked out @ 2400'. Pump 60 bbls dwn tbg to flush SV to SN. RD SL.	
Start Time	End Time	Comment	
	15:00	Pressured tbg up to 3000 psi, BD to 2900 psi. Bumped tbg back up to 3000 psi 3X. Final test held 3000 psi for 30 minutes.	
Start Time	End Time	Comment	
	18:30	RUSL and RIH to stack out at 2400'. Pumped 60 bbls dwn csg with no luck of flushing overshot dwn tbg. Pumped Hot wtr dwn tbg to heat up. Still no luck of flushing overshot dwn tbg. Tried tagging the tight spot hard still with no luck. POOH w/SL. RDSL.	
Start Time	End Time	Comment	
	19:00	SWIFN, clean up.	
Start Time	End Time	Comment	
	00:00		
Report Start Date	Report End Date	24hr Activity Summary	
10/9/2013	10/10/2013	RU SL and RIH to fish SV. NU injection head, pump pkr fluid, test csg. RDMOWOR.	
Start Time	End Time	Comment	
	06:30		
Start Time	End Time	Comment	
	07:00		



## Summary Rig Activity

Well Name: Castle PK 33-15-9-16

Start Time	07:00	End Time	07:30	Comment
Start Time	07:30	End Time	09:00	SITP @ 0. SICP @ 0. Rig inspection.
Start Time	09:00	End Time	10:30	RUSL, RIH to fish SV, POOH and RDSL.
Start Time	10:30	End Time	12:00	RD tongs, RD workfloor, ND BOPS, install and NU injection head.
Start Time	12:00	End Time	13:00	Pump 50 bbls pkr fluid, set pkr.
Start Time	13:00	End Time	14:30	Test csg to 1400 psi for 30 min. - Good test.
Start Time	14:30	End Time	16:00	RDWOR, RD pump and lines.
Start Time	16:00	End Time	17:00	Spray off WOR, Clean up location
Start Time	17:00	End Time	00:00	Raod rig.
Report Start Date	10/10/2013	Report End Date	10/11/2013	24hr Activity Summary
Start Time	00:00	End Time	09:00	Conduct initial MIT
Start Time	09:00	End Time	09:30	Shut down for night
				On 10/09/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/10/2013 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Multi-Chem Analytical Laboratory**

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Vernal, UT 84078

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Units of Measurement: **Standard****Water Analysis Report**Production Company: **NEWFIELD PRODUCTION**Well Name: **33-15-9-16**Sample Point: **Separator**Sample Date: **10/18/2013**Sample ID: **WA-256119**Sales Rep: **Michael McBride**Lab Tech: **Gary Winegar**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	10/21/2013	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120	Sodium (Na):	6840.53	Chloride (Cl):	10000.00
System Pressure 1 (psig):	60	Potassium (K):	69.00	Sulfate (SO <sub>4</sub> ):	200.00
System Temperature 2 (°F):	210	Magnesium (Mg):	9.60	Bicarbonate (HCO <sub>3</sub> ):	927.20
System Pressure 2 (psig):	60	Calcium (Ca):	22.00	Carbonate (CO <sub>3</sub> ):	
Calculated Density (g/ml):	1.010	Strontium (Sr):	4.00	Acetic Acid (CH <sub>3</sub> COO)	
pH:	8.10	Barium (Ba):	1.60	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	
Calculated TDS (mg/L):	18089.87	Iron (Fe):	2.80	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	
CO <sub>2</sub> in Gas (%):		Zinc (Zn):	0.07	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	
Dissolved CO <sub>2</sub> (mg/L):	64.00	Lead (Pb):	0.03	Fluoride (F):	
H <sub>2</sub> S in Gas (%):		Ammonia NH <sub>3</sub> :		Bromine (Br):	
H <sub>2</sub> S in Water (mg/L):		Manganese (Mn):	0.20	Silica (SiO <sub>2</sub> ):	12.84

**Notes:****B=7 Al=6 Li=2**

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.01	15.72	0.31	0.48	0.00	0.00	2.09	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.96	15.23	0.32	0.50	0.00	0.00	2.04	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.90	14.69	0.34	0.52	0.00	0.00	1.99	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.85	14.11	0.37	0.54	0.00	0.00	1.94	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.80	13.50	0.40	0.57	0.00	0.00	1.88	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.76	12.87	0.43	0.60	0.00	0.00	1.83	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.71	12.22	0.47	0.63	0.00	0.00	1.77	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.67	11.56	0.52	0.66	0.00	0.00	1.71	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.63	10.91	0.57	0.69	0.00	0.00	1.65	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.59	10.26	0.62	0.73	0.00	0.00	1.59	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



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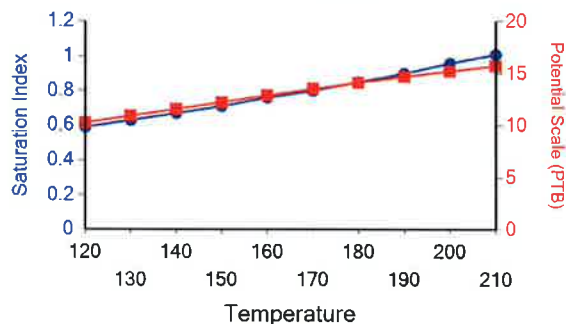
## Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.03	0.00	0.00	3.70	11.38	1.33	4.78	8.53	2.17
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.03	0.00	0.00	3.27	10.29	1.07	4.02	8.22	2.17
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.02	0.00	0.00	2.83	9.07	0.82	3.18	7.90	2.17
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.02	0.00	0.00	2.38	7.75	0.55	2.27	7.59	2.17
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.01	0.00	0.00	1.92	6.35	0.29	1.32	7.27	2.17
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.00	0.00	1.46	4.90	0.02	0.33	6.95	2.16
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	3.42	0.00	0.00	6.63	2.16
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.91	0.00	0.00	6.32	2.15
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.40	0.00	0.00	6.00	2.15
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.70	2.13

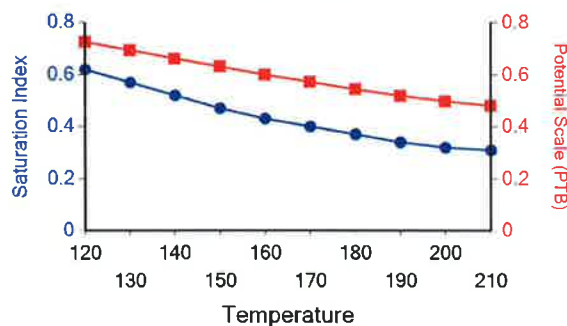
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Fe Silicate

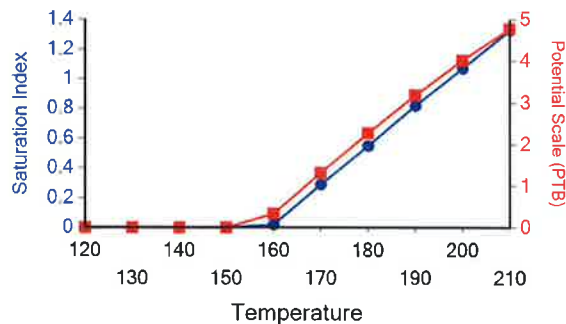
Calcium Carbonate



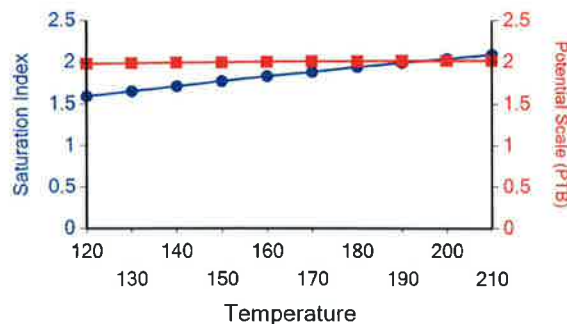
Barium Sulfate



Ca Mg Silicate



Iron Carbonate



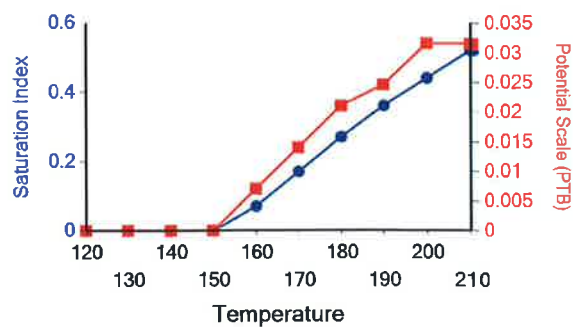
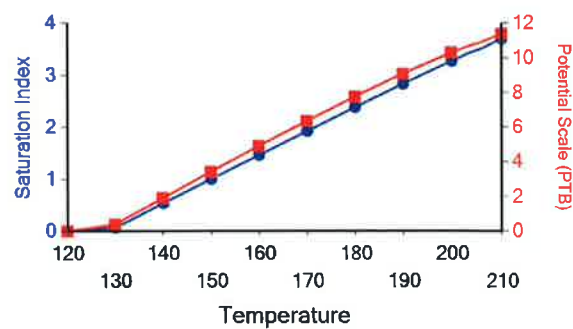
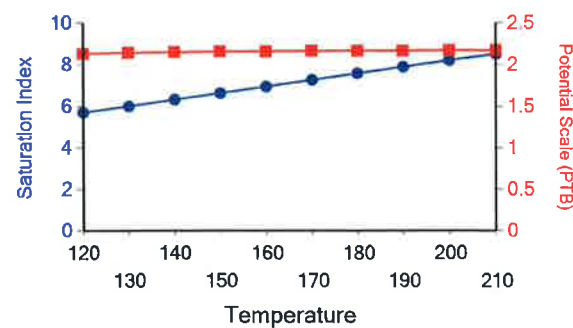
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**Water Analysis Report****Zinc Carbonate****Mg Silicate****Fe Silicate**



Spud Date: 4/8/82  
 Put on Production: 6/2/82  
 GL: 5745' KB: 5759'

## Castle Peak Federal 33-15-9-16

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: K-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (243.35')  
 DEPTH LANDED: 253' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sxs Class "G" cmt w/ 2% CaCl & 1/4# sx Flocele

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (5981')  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 645 sxs class G & 750 sxs 10.0 RFC w/ additives.  
 DEPTH LANDED: 5979'  
 CEMENT TOP AT 224' PER CBL

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 132 jts (4010.88')  
 SEATING NIPPLE: 2-7/8" (1 10")  
 SN LANDED AT: 4025.8' KB  
 ON/OFF TOOL AT: 4026.9'  
 ARROW #1 PACKER CE AT: 4031.9'  
 TBG PUP 2-3/8 J-55 AT: 4035.8'  
 X/N NIPPLE AT: 4039.9'  
 TOTAL STRING LENGTH: EOT @ 4041'

### Injection Wellbore Diagram

Cement Top @ 224'  
 per CBL  
 Casing Shoe @ 253'

### FRAC JOB

5/18/82 5217-5230' w/Western. 20000 gal Apollo 40 w/28500 # 20-40 sand & 12000# 10-20 sand ATR 10 BPM @ 2500 psi, max 2600 psi. ISIP @ 2450 psi 15-2200 psi, 20-2200 psi  
 5/16/82 5471-5543' w/Western. 50000 gal Apollo 40 w/ 75000 # 20-40 sand & 20000# 10-20 sand. ATR 20 BPM @ 1700 psi, max 1800 psi. ISIP @ 1700 psi 15-1600 psi, 20-1550 psi  
 5/14/82 5656-5776' w/Western. 3850 gal Apollo 40 w/ 3200 # 20-40 sand. 8 Ball sealers pumped, sand screened out before balls hit perms. ATR 10 BPM @ 1600 psi, max 3800 psi. ISIP @ 800 psi 15-0

### ACID JOBS

5217-5230' 1000 gal 7.5% HCl  
 5471-5543' 2000 gal 7.5% HCl  
 5656-5776' 1000 gal 7.5% HCl  
 11/19/08 **Tubing Leak.** Updated rod & tubing details.  
 1/19/2010 **Tubing Leak.** Updated rod and tubing detail  
 10/04/13 4881-4920' **Frac B2 sand as follows:** 50000# 20/40 sand in 424 bbls Lightning 17 frac fluid.  
 10/04/13 4614-4639' **Frac D2 sand as follows:** 35000# 20/40 sand in 354 bbls Lightning 17 frac fluid  
 10/04/13 4098-4134' **Frac GB6 sand as follows:** 14980# 20/40 sand in 188 bbls Lightning 17 frac fluid  
 10/10/13 **Conversion MIT Finalized** – update tbg detail

SN @ 4026'  
 On Off Tool @ 4027'  
 Packer @ 4032'  
 X/N Nipple @ 4040'  
 EOT @ 4041'

4098-4134'

4614-4639'

4881-4920'

5217'-5230'

5471'-5505'

5522'-5543'

5656'-5664'

5760'-5776'

PBTD @ 5934'  
 TD @ 5980'

### PERFORATION RECORD

5217-5230' 2 JSPF 26 holes  
 5471-5505' 2 JSPF 68 holes  
 5522-5543' 2 JSPF 42 holes  
 5656-5664' 2 JSPF 16 holes  
 5760-5776' 1 JSPF 16 holes  
 4881-4920' 3 JSPF 117 holes  
 4614-4639' 3 JSPF 75 holes  
 4098-4134' 3 JSPF 108 holes



**Castle Peak Federal 33-15-9-16**  
 FSL & FEL  
 NW/SE Section 15-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30632; Lease #UTU-017985

Sundry Number: 45720 API Well Number: 43013306320000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-017985
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: CASTLE PK FED 33-15
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2341 FSL 1790 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 15 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013306320000
10. FIELD and POOL or WILDCAT: MONUMENT BUTTE		COUNTY: DUCHESNE
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/27/2013	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above reference well was put on injection at 12:50 PM on 11/27/2013.		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 12/9/2013	

RECEIVED: Dec. 09, 2013

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-017985
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> CASTLE PK FED 33-15
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2341 FSL 1790 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 15 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013306320000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>1/21/2015</b>	<input checked="" type="checkbox"/> OTHER		
<input type="checkbox"/> SPUD REPORT Date of Spud:	OTHER: <span style="border: 1px solid black; padding: 2px;">Workover MIT</span>		
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

The above subject well had workover procedures performed (packer repair), attached is a daily status report. On 01/20/2015 Richard Powell with the State of Utah was contacted concerning the MIT on the above listed well. On 01/21/2015 the csg was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 200 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**  
  
**Date:** February 02, 2015  
**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/28/2015	

# Mechanical Integrity Test Casing or Annulus Pressure Test

**Newfield Production Company****Rt. 3 Box 3630****Myton, UT 84052****435-646-3721**Witness: \_\_\_\_\_ Date 1/21/15 Time 8:05 am pmTest Conducted by: Britt Jensen

Others Present: \_\_\_\_\_

**Well:** CASTLE PEAK FEDERAL 33-15-9-16 **Field:** Monument Butte**Well Location:** NW/SE SEC. 15, T9S, R16E **API No:** 43-013-30632

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1201</u>	psig
5	<u>1200</u>	psig
10	<u>1200</u>	psig
15	<u>1201</u>	psig
20	<u>1200</u>	psig
25	<u>1200</u>	psig
30 min	<u>1200</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

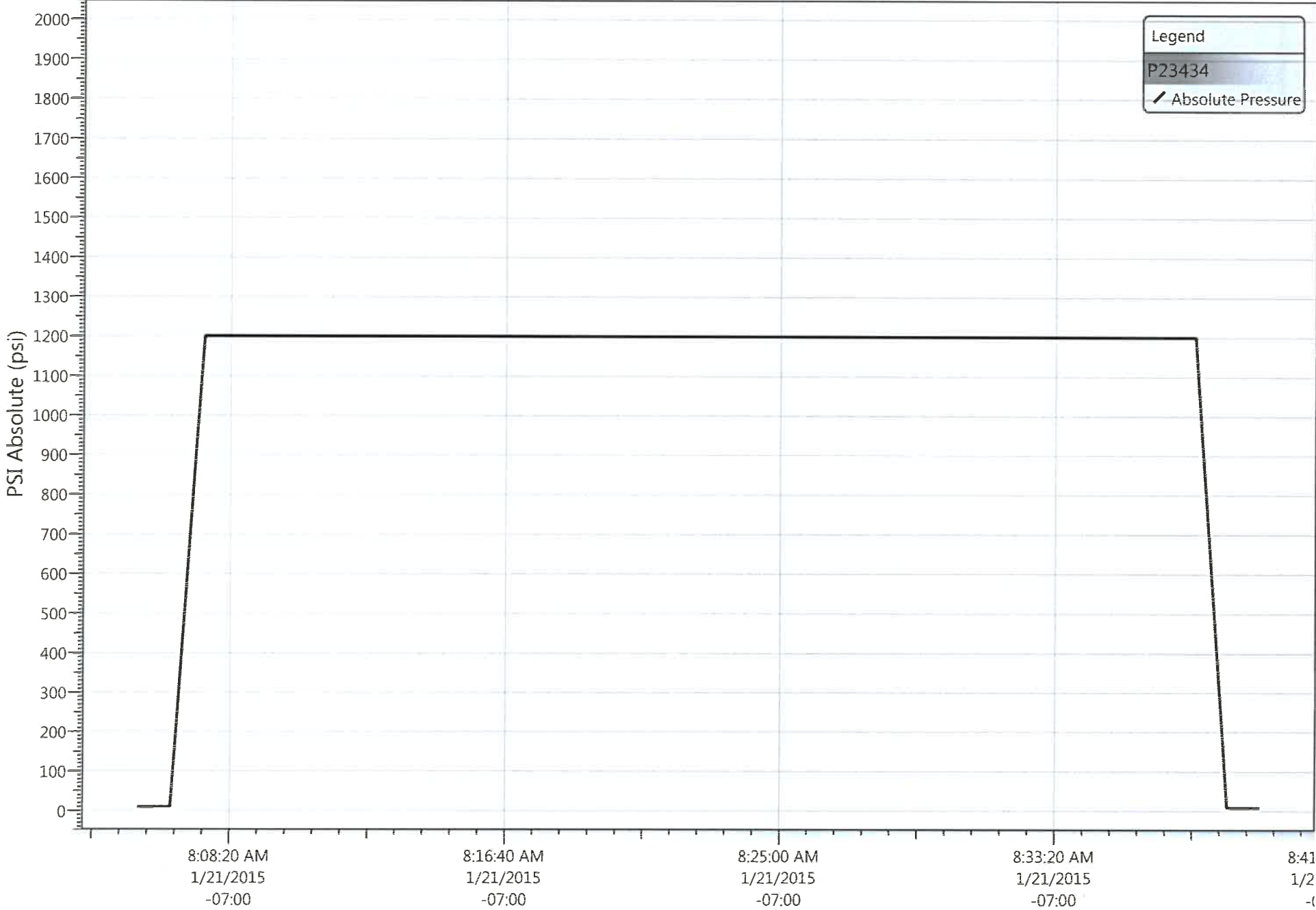
Tubing pressure: 200 psigResult: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Britt Jensen

Castle Peak Federal 33-15-9-16

1/21/2015 8:04:44 AM



## NEWFIELD

## Schematic

Well Name: Castle PK 33-15-9-16

Surface Legal Location 15-9S-16E		API/UWI 43013306320000		Well RC 500151875	Lease UTU 017985	State/Province Utah	Field Name GMBU CTB5	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 6/2/1982	Original KB Elevation (ft) 5,759	Ground Elevation (ft) 5,745	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,946.7		

## Most Recent Job

Job Category Production / Workover	Primary Job Type Repairs	Secondary Job Type Packer Repair	Job Start Date 1/12/2015	Job End Date 1/21/2015
---------------------------------------	-----------------------------	-------------------------------------	-----------------------------	---------------------------

TD: 5,980.0

Vertical - Original Hole, 1/26/2015 10:57:35 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)	
			DLS (°... 0.0 — 0.5		
14.1	14.1	0.3			5-1; Cross Over; 2 7/8; 1.991; 14-15; 0.90
14.8	14.8	0.3			5-2; Tubing Pup Joint; 2 3/8; 1.991; 15-21; 6.15
21.0	21.0	0.3			
250.0	250.0	0.2			1; Surface; 8 5/8 in; 8.097 in; 14-253 ftKB; 239.45 ft
252.6	252.6	0.2			
253.6	253.6	0.2			
253.9	253.9	0.2			
4,035.1	4,034.4	1.5			5-3; Tubing; 2 3/8; 1.995; 21-4,035; 4,014.08
4,036.1	4,035.4	1.5			5-4; Pump Seating Nipple; 2 3/8; 1.875; 4,035-4,036; 1.10
4,036.7	4,036.0	1.5			5-5; Cross Over; 2 3/8; 1.991; 4,036-4,037; 0.60
4,038.4	4,037.7	1.5			5-6; On-Off Tool; 4.52; 1.875; 4,037-4,039; 1.70
4,045.6	4,044.9	1.5			5-7; Packer; 4 5/8; 1.991; 4,039-4,046; 7.18
4,046.3	4,045.5	1.5			5-8; Cross Over; 2 7/8; 1.991; 4,046-4,046; 0.60
4,050.5	4,049.8	1.5			5-9; Tubing Pup Joint; 2 3/8; 1.991; 4,046-4,050; 4.10
4,051.2	4,050.5	1.5			5-10; XN Nipple; 2 3/8; 1.991; 4,050-4,051; 0.77
4,051.5	4,050.8	1.5			5-11; Wireline Guide; 3 1/8; 1.991; 4,051-4,052; 0.41
4,098.1	4,097.4	1.5			
4,133.9	4,133.1	1.5			Perforated; 4,098-4,134; 10/2/2013
4,613.8	4,612.9	1.7			Perforated; 4,614-4,639; 10/2/2013
4,639.1	4,638.2	1.6			
4,880.9	4,879.9	1.9			Perforated; 4,881-4,920; 10/2/2013
4,919.9	4,918.9	1.9			
5,216.9	5,215.6	2.2			Perforated; 5,217-5,230; 5/17/1982
5,230.0	5,228.7	2.1			
5,471.1	5,469.7	1.9			Perforated; 5,471-5,505; 5/15/1982
5,504.9	5,503.5	1.9			
5,522.0	5,520.5	1.8			Perforated; 5,522-5,543; 5/15/1982
5,543.0	5,541.5	1.7			
5,655.8	5,654.4	1.5			
5,664.0	5,662.6	1.5			Perforated; 5,656-5,664; 5/13/1982
5,759.8	5,758.3	1.5			
5,775.9	5,774.4	1.5			Perforated; 5,760-5,776; 5/13/1982
5,829.1	5,827.5	1.5			
5,933.1	5,931.5	1.5			
5,946.9	5,945.3	1.5			
5,947.5	5,945.9	1.5			
5,978.0	5,976.4	1.5			
5,979.0	5,977.4	1.5			
5,980.0	5,978.4	1.5			2; Production; 5 1/2 in; 4.950 in; 14-5,979 ftKB; 5,965.00 ft



**NEWFIELD****Newfield Wellbore Diagram Data  
Castle PK 33-15-9-16**

Surface Legal Location 15-9S-16E		API/UWI 43013306320000		Lease UTU 017985	
County DUCHESE		State/Province Utah		Field Name GMBU CTB5	
Well Start Date 4/8/1982		Spud Date		On Production Date 6/2/1982	
Original KB Elevation (ft) 5,759	Ground Elevation (ft) 5,745	Total Depth (ftKB) 5,980.0		PBD (All) (ftKB) Original Hole - 5,946.7	

**Casing Strings**

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	4/8/1982	8 5/8	8.097	24.00	K-55	253
Production	4/30/1982	5 1/2	4.950	15.50	K-55	5,979

**Cement****String: Surface, 253ftKB 4/9/1982**

Cementing Company Dowell Schlumberger		Top Depth (ftKB) 14.0	Bottom Depth (ftKB) 254.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 200 sx CLASS G w. 2% CaCl & 1/4#/sx Flocele		Fluid Type Lead	Amount (sacks) 200	Class G	Estimated Top (ftKB) 14.0

**String: Production, 5,979ftKB 4/30/1982**

Cementing Company Dowell Schlumberger		Top Depth (ftKB) 250.0	Bottom Depth (ftKB) 5,980.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 645 SK CLASS G CEMENT W/ 3% D-79 + 5% D-42 + 1/4#/SK D-29		Fluid Type Lead	Amount (sacks) 645	Class G	Estimated Top (ftKB) 250.0
Fluid Description 756 SKS 10.0 RPC		Fluid Type Tail	Amount (sacks) 756	Class 10-0 RPC	Estimated Top (ftKB) 3,115.0

**Tubing Strings**

Tubing Description Tubing					Run Date 1/15/2015	Set Depth (ftKB) 4,051.6		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Cross Over	1	2 7/8	1.991			0.90	14.0	14.9
Tubing Pup Joint	1	2 3/8	1.991			6.15	14.9	21.0
Tubing	132	2 3/8	1.995	4.70	J-55	4,014.08	21.0	4,035.1
Pump Seating Nipple	1	2 3/8	1.875			1.10	4,035.1	4,036.2
Cross Over	1	2 3/8	1.991			0.60	4,036.2	4,036.8
On-Off Tool	1	4.515	1.875			1.70	4,036.8	4,038.5
Packer	1	4 5/8	1.991			7.18	4,038.5	4,045.7
Cross Over	1	2 7/8	1.991			0.60	4,045.7	4,046.3
Tubing Pup Joint	1	2 3/8	1.991			4.10	4,046.3	4,050.4
XN Nipple	1	2 3/8	1.991			0.77	4,050.4	4,051.2
Wireline Guide	1	3 1/8	1.991			0.41	4,051.2	4,051.6

**Rod Strings**

Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

**Other In Hole**

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
PBD	5,933	5,947	4/30/1982	
Fill	5,829	5,933	1/8/2010	

**Perforation Intervals**

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
4	GB-6, Original Hole	4,098	4,134	3	120	0.340	10/2/2013
5	D-1, Original Hole	4,614	4,639	3	120	0.340	10/2/2013
6	B-2, Original Hole	4,881	4,920	3	120	0.340	10/2/2013
3	Douglas Creek, Original Hole	5,217	5,230	2	180		5/17/1982
2	Wasatch Tongue, Original Hole	5,471	5,505	2	180		5/15/1982
2	Wasatch Tongue, Original Hole	5,522	5,543	2	180		5/15/1982
1	Lower Black Shale, Original Hole	5,656	5,664	2	180		5/13/1982
1	Lower Black Shale, Original Hole	5,760	5,776	1	360		5/13/1982

**NEWFIELD****Newfield Wellbore Diagram Data  
Castle PK 33-15-9-16****Stimulations & Treatments**

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	800		11.0	3,800			
2	1,700		20.0	1,800			
3	2,450		10.0	2,600			
4	2,587	0.96	24.9	6,755			
5	2,070	0.88	25.4	6,399			
6	2,028	0.93	25.0	5,943			

**Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 3200 lb
2		Proppant Bulk Sand 95000 lb
3		Proppant Bulk Sand 40500 lb
4		Proppant Premium White 50000 lb
5		Proppant Premium White 35000 lb
6		Proppant Premium White 14980 lb



**NEWFIELD****Job Detail Summary Report****Well Name: Castle PK 33-15-9-16****Jobs**

Primary Job Type Repairs	Job Start Date 1/12/2015	Job End Date 1/21/2015
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**Daily Operations**

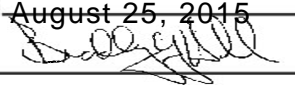
Report Start Date 1/12/2015	Report End Date 1/12/2015	24hr Activity Summary MIRU
Start Time 05:30	End Time 06:00	Comment C/Trvl
Start Time 06:00	End Time 18:00	Comment Wait On Injection Shed To Be Moved, Move Shed, Dig Flow Back Hole, MIRU NC#4, X/O BOP Pipe Rams To 2 3/8, X/O Rig Eqp To 2 3/8, Flow Well, H2S @ 4ppm, R/U H/Oiler To Tbg, BullHead 60BW W/Biocide & H2S Scaviger Into Perfs, Flow Well Down, N/D Injection Tree, Pkr Slid Up Hole, String Wt @ 7K When Pulled Injection Tree, P/U 6' Tbg Pup, N/U BOPs, R/U Tbg Eqp, Release T/A, Flush Down Tbg & Up Csg W/40BW To Stop Water Flow Up Tbg, TOOH W/Injection String As Followed-Injection Tree, 2 7/8X2 3/8 XO, 132jt 2 3/8 J-55 Tbg, 2 3/8 S/N, On/Off Tool, 5 1/2 Arrow Set Pkr, 2 3/8 Tbg Pup, X/N Nipple, Guide Collar, C/E On Pkr Looked Good, P/U & RIH W/ Guide Collar, X/N Nipple, 2 3/8 4' Tbg Pup, 2 7/8X2 3/8 XO, 5 1/2 Stacked Arrow Set Pkr, On/Off Tool, 2 7/8x2 3/8 XO, 2 3/8 S/N, 132jts 2 3/8 Tbg, 2 3/8X2 7/8 XO, EOT @ 4041.34, SWI, 6:00PM
Start Time 18:00	End Time 18:30	Comment C/Trvl
Report Start Date 1/13/2015	Report End Date 1/13/2015	24hr Activity Summary Check Press
Start Time 05:30	End Time 06:00	Comment C/Trvl
Start Time 06:00	End Time 18:00	Comment H/Oiler Steam Off BOPs & Tbg, OWU, R/U H/Oiler To Tbg, Pmp 10BW Pad, Drop S/Vlve, Pmp 30BW, S/Vlve Would Not Seat, R/U S/Lne, P/U & RIH, Push S/Vlve On Seat, POOH W/ S/Lne, Fill W/5BW, Psr Tbg Up To 3000psi, Bled Off To 2940psi @ .67psi Per Min, Tbg Held 2940psi For One Hour, Good Tst, P/U S/Lne W/Fishing Tool, RIH, Latch Onto S/Vlve, Pull Off Seat, POOH W/ S/Vlve, L/D & R/D S/Lne, L/D Top Jt Tbg Do To Bend In Tbg, P/U New Jt To Replace, P/U 6' Tbg Sub, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, R/U Injection Tree, Wait On Fresh Water To Pmp Pkr Fluid, Pmp 60BW W/Pkr Fluid In It, N/D Injection Tree, Set Injection Pkr In 17K# Tension, L/D 6' Tbg Pup, N/U Injection Tree, Csg Standing Full, Psr Csg Up To 1500psi, Psr Falling Off @ 200psi Per Min, Check W/H-D, Water Leaking Out Of Csg Valve, Grease Wheel Valve & Psr Back Up, Valve Leaking @ Same Rate, N/D Wheel Valves Off Csg Side Of W/H-D, N/U 2" Threaded Flanges To W/H-D, M/U 2" Nipples & Ball Valves For New Csg Valves, Psr Csg Back Up To 1500psi, Psr Bled Off To 500psi, Bumped Back Up, Leave Psr On Csg Over Night, 6:00PM CSDFN
Start Time 18:00	End Time 18:30	Comment C/Trvl
Report Start Date 1/14/2015	Report End Date 1/14/2015	24hr Activity Summary Check press on csg, N/D Inj Tree, Release Pkr, L/D 1 jt to change where C/E is set, Set Pkr - Check Press - lost press
Start Time 05:30	End Time 06:00	Comment C/Trvl
Start Time 06:00	End Time 18:30	Comment Check Psr On Csg, Csg Psr=250psi, Tbg Psr=150psi, OWU, N/D Injection Tree, Release Injection Pkr, L/D 1jt To Change Where C/E Is Set, Set Pkr, N/U Injection Tree, Psr Csg Up To 1500psi, Psr Fell Off To 125psi @ 32psi Per Min, Psr Back Up To 1560psi, Psr Fell Off To 150psi @ 47psi Per Min, Psr Up To 1460, Fell Off To 150psi @ 87.30psi Per Min, N/D Injection Tree, N/U BOPs, R/U Rig Flr, R/U Tbg Eqp, Release Injection Pkr, POOH W/20jts, Set Pkr, EOT @ 3406', Prs Csg Up To 1525psi, Lost 125psi In 30 Min @ 4.17psi Per Min, Release Pkr, RIH W/ 10jts, EOT @ 3709', Set Pkr, Psr Csg Up To 1525psi, Lost 175psi In 30min @ 5.83psi Per Min & Held 1350psi For 15min, Release Pkr & RIH W/11jts Tbg, EOT @ 4037', Set Pkr, Psr Csg Up To 1425psi, Lost 1350psi In 30 Min @ 45psi Per Min, Hole Btwn 3709'&4037', Release Pkr, TOOH W/Injection Pkr, P/U & RIH W/ Stacked 5 1/2 Plug, 4' Tbg Pup, Pkr, S/N, & 102jts Tbg, Set Plg, L/D 2jts, Set Pkr, Tally Tbg In Hole, SWI, 6:30PM CSDFN
Start Time 18:30	End Time 19:00	Comment C/Trvl

**NEWFIELD****Job Detail Summary Report****Well Name: Castle PK 33-15-9-16**

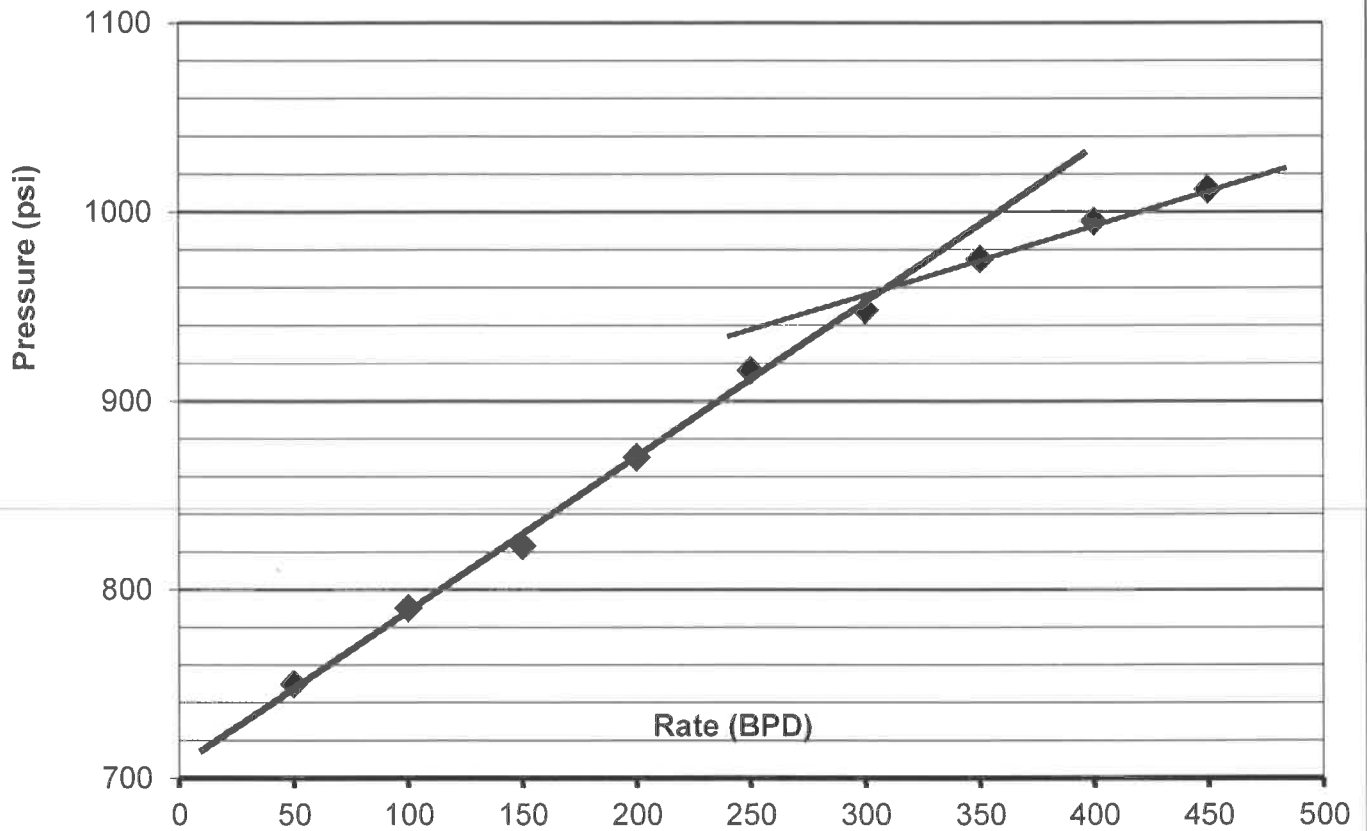
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**Daily Operations**

Report Start Date 1/15/2015	Report End Date 1/15/2015	24hr Activity Summary Pump Pkr fluid, press test pkr	
Start Time 05:30	End Time 06:00	Comment C/Trvl	
Start Time 06:00	End Time 18:30	Comment OWU, Fill Tbg, Psr Tst Plg & Pkr To 1500psi, Held For 30min, Release Pkr, RIH, Latch Onto Plg, Release Plg, RIH & Set Plg @ 4038', POOH & Set Pkr @ 3949', Psr Up To 1500psi, Lost 40psi In 30min=1.33psi Per Min, Release Pkr, POOH & Set @3910', Psr Up To 1520psi, Held Solid For 30Min, POOH To 3852', Psr Up To 1525psi, Lost 25psi In 30min=.83psi Per Min, POOH & Set @3790', Psr Up To 1475psi, Lost 15psi In 30min=.33psi Per Min, POOH & Set @ 3759', Psr Up To1475psi, Lost 15psi In 30min=.33psi Per Min, POOH Set @ 3728', Psr Up To 1520psi, Lost 15psi In 30min=.33psi Per Min, POOH & Set @ 3697', Psr Up To 1510psi, Lost 15psi In 30min=.33psi Per Min, Release Pkr, Psr Tst Casing To RBP @ 4038, Psr Up To 1450psi, Psr Fell To 1440psi & Held 1440psi For One Hour, TIH, Latch Onto RBP, Release & TOOH W/RBP & Pkr, L/D RBP & Pkr, P/U & RIH W/ 5 1/2 Arrow Set Pkr Assembly & 132jt 2 3/8 Tbg, P/U 6' Tbg Pmp, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U Injection Tree, SWI, 6:30PM CSDFN	
Start Time 18:30	End Time 19:00	Comment C/Trvl	
Report Start Date 1/16/2015	Report End Date 1/16/2015	24hr Activity Summary Set Pkr, NU Inj Tree, PSr Csg Up, Ready for MIT	
Start Time 05:30	End Time 06:00	Comment C/Trvl	
Start Time 06:00	End Time 18:00	Comment OWU, R/U Preferred H/Oiler To Csg, Pmp 40BW @ 100*, Pmp75BW W/Pkr Fluid In It @ 80*, N/D Injection Tree, Set Pkr In 17K# Tension, L/D 6' Tbg Pup, N/U Injection Tree, Psr Csg Up To 1540psi, Psr Fell Off To 1375psi @ .61psi Per Min & Held 1375psi For One Hour, Call For MIT Hand, Wait On MIT Hand, R/U MIT Hand, MIT Hand Had Tool Failure, Wait On Tool, R/U, MIT Well, MIT Passed, R/D & M/O NC#4 @ 6:00PM, 6:00PM CSDFN	
Start Time 18:00	End Time 18:30	Comment C/Trvl	
Report Start Date 1/21/2015	Report End Date 1/21/2015	24hr Activity Summary Conduct MIT	
Start Time 08:00	End Time 08:30	Comment On 01/20/2015 Richard Powell with the State of Utah was contacted concerning the MIT on the above listed well. On 01/21/2015 the csg was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 200 psig during the test. There was not a State representative available to witness the test.	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-017985
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> CASTLE PK FED 33-15
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2341 FSL 1790 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 15 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013306320000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/18/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Step Rate Test"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. A step rate test was conducted on the subject well on 08/18/2015. Results from the test indicate that the fracture gradient is 0.669 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 763 psi to 940 psi.		
<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> August 25, 2015 <b>By:</b> 		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/24/2015	

Castle Peak Federal 33-15-9-16  
Greater Monument Butte Unit  
Step Rate Test  
August 18, 2015



Start Pressure: 706 psi  
Instantaneous Shut In Pressure (ISIP): 1002 psi  
Top Perforation: 4098 feet  
Fracture pressure (Pfp): 940 psi  
FG: 0.669 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	50	750
2	100	790
3	150	823
4	200	870
5	250	916
6	300	948
7	350	975
8	400	995
9	450	1012

## Castle Peak Federal 33-15-9-16 SRT Data (8-18-15)

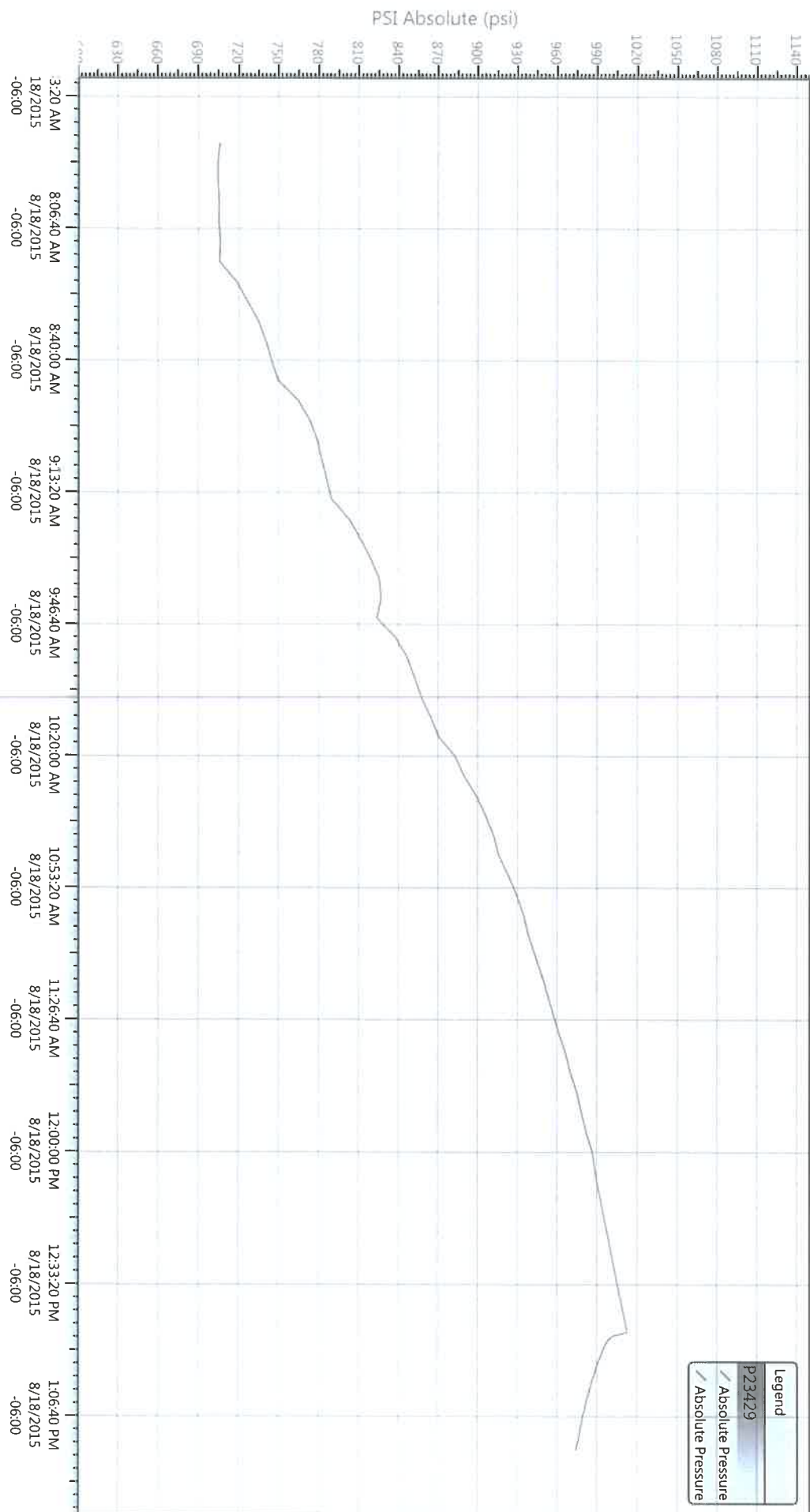
8/19/2015 10:26:40 AM

Date	Time	Time Zone	P23429 Absolute Pressure (psi)	Date	Time	Time Zone	P23429 Absolute Pressure (psi)
8/18/2015	7:45:01 AM	-06:00	706.0	8/18/2015	11:35:01 AM	-06:00	966.4
8/18/2015	7:50:01 AM	-06:00	704.6	8/18/2015	11:40:01 AM	-06:00	970.2
8/18/2015	7:55:01 AM	-06:00	704.8	8/18/2015	11:45:01 AM	-06:00	975.0
8/18/2015	8:00:01 AM	-06:00	705.6	8/18/2015	11:50:01 AM	-06:00	978.6
8/18/2015	8:05:01 AM	-06:00	705.4	8/18/2015	11:55:01 AM	-06:00	982.2
8/18/2015	8:10:01 AM	-06:00	706.4	8/18/2015	12:00:01 PM	-06:00	986.8
8/18/2015	8:15:01 AM	-06:00	705.8	8/18/2015	12:05:01 PM	-06:00	988.8
8/18/2015	8:20:01 AM	-06:00	718.2	8/18/2015	12:10:01 PM	-06:00	991.8
8/18/2015	8:25:01 AM	-06:00	726.6	8/18/2015	12:15:01 PM	-06:00	995.2
8/18/2015	8:30:01 AM	-06:00	734.8	8/18/2015	12:20:01 PM	-06:00	998.2
8/18/2015	8:35:01 AM	-06:00	740.6	8/18/2015	12:25:01 PM	-06:00	1001.0
8/18/2015	8:40:01 AM	-06:00	744.8	8/18/2015	12:30:01 PM	-06:00	1004.0
8/18/2015	8:45:01 AM	-06:00	749.8	8/18/2015	12:35:01 PM	-06:00	1007.2
8/18/2015	8:50:01 AM	-06:00	764.6	8/18/2015	12:40:01 PM	-06:00	1009.8
8/18/2015	8:55:01 AM	-06:00	773.2	8/18/2015	12:45:01 PM	-06:00	1012.4
8/18/2015	9:00:01 AM	-06:00	778.6				
8/18/2015	9:05:01 AM	-06:00	782.4				
8/18/2015	9:10:01 AM	-06:00	786.0				
8/18/2015	9:15:01 AM	-06:00	789.6				
8/18/2015	9:20:01 AM	-06:00	802.6				
8/18/2015	9:25:01 AM	-06:00	811.2				
8/18/2015	9:30:01 AM	-06:00	818.8				
8/18/2015	9:35:01 AM	-06:00	825.2				
8/18/2015	9:40:01 AM	-06:00	826.6				
8/18/2015	9:45:01 AM	-06:00	823.4				
8/18/2015	9:50:01 AM	-06:00	837.6				
8/18/2015	9:55:01 AM	-06:00	846.4				
8/18/2015	10:00:01 AM	-06:00	851.8				
8/18/2015	10:05:01 AM	-06:00	857.2				
8/18/2015	10:10:01 AM	-06:00	864.6				
8/18/2015	10:15:01 AM	-06:00	870.4				
8/18/2015	10:20:01 AM	-06:00	883.0				
8/18/2015	10:25:01 AM	-06:00	889.6				
8/18/2015	10:30:01 AM	-06:00	899.0				
8/18/2015	10:35:01 AM	-06:00	906.0				
8/18/2015	10:40:01 AM	-06:00	911.8				
8/18/2015	10:45:01 AM	-06:00	915.6				
8/18/2015	10:50:01 AM	-06:00	922.8				
8/18/2015	10:55:01 AM	-06:00	929.2				
8/18/2015	11:00:01 AM	-06:00	934.6				
8/18/2015	11:05:01 AM	-06:00	938.0				
8/18/2015	11:10:01 AM	-06:00	943.0				
8/18/2015	11:15:01 AM	-06:00	948.2				
8/18/2015	11:20:01 AM	-06:00	952.6				
8/18/2015	11:25:01 AM	-06:00	957.2				
8/18/2015	11:30:01 AM	-06:00	961.4				

## Castle Peak Federal 33-15-9-16 ISIP Data (8-18-15)

8/19/2015 10:27:59 AM

Date	Time	Time Zone	P23429 Absolute Pressure (psi)
8/18/2015	12:45:20 PM	-06:00	1013.0
8/18/2015	12:46:20 PM	-06:00	1002.0
8/18/2015	12:47:20 PM	-06:00	998.4
8/18/2015	12:48:20 PM	-06:00	996.8
8/18/2015	12:49:20 PM	-06:00	995.2
8/18/2015	12:50:20 PM	-06:00	994.2
8/18/2015	12:51:20 PM	-06:00	993.0
8/18/2015	12:52:20 PM	-06:00	991.8
8/18/2015	12:53:20 PM	-06:00	990.6
8/18/2015	12:54:20 PM	-06:00	989.4
8/18/2015	12:55:20 PM	-06:00	988.8
8/18/2015	12:56:20 PM	-06:00	987.8
8/18/2015	12:57:20 PM	-06:00	986.8
8/18/2015	12:58:20 PM	-06:00	986.0
8/18/2015	12:59:20 PM	-06:00	985.2
8/18/2015	1:00:20 PM	-06:00	984.4
8/18/2015	1:01:20 PM	-06:00	983.6
8/18/2015	1:02:20 PM	-06:00	982.4
8/18/2015	1:03:20 PM	-06:00	982.2
8/18/2015	1:04:20 PM	-06:00	981.4
8/18/2015	1:05:20 PM	-06:00	980.6
8/18/2015	1:06:20 PM	-06:00	979.6
8/18/2015	1:07:20 PM	-06:00	979.2
8/18/2015	1:08:21 PM	-06:00	978.6
8/18/2015	1:09:21 PM	-06:00	977.8
8/18/2015	1:10:21 PM	-06:00	977.4
8/18/2015	1:11:21 PM	-06:00	976.8
8/18/2015	1:12:21 PM	-06:00	976.4
8/18/2015	1:13:21 PM	-06:00	975.4
8/18/2015	1:14:21 PM	-06:00	974.8
8/18/2015	1:15:21 PM	-06:00	974.4



Castle Peak Federal 33-15-9-16 SRT & ISIP (8-18-15)  
8/19/2015 10:29:57 AM

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-017985
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> CASTLE PK FED 33-15
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>9. API NUMBER:</b> 43013306320000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2341 FSL 1790 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 15 Township: 09.0S Range: 16.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="Step Rate Test"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/12/2015			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on November 12, 2015. Results from the test indicate that the fracture gradient is 0.760 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 940 psi to 1315 psi.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

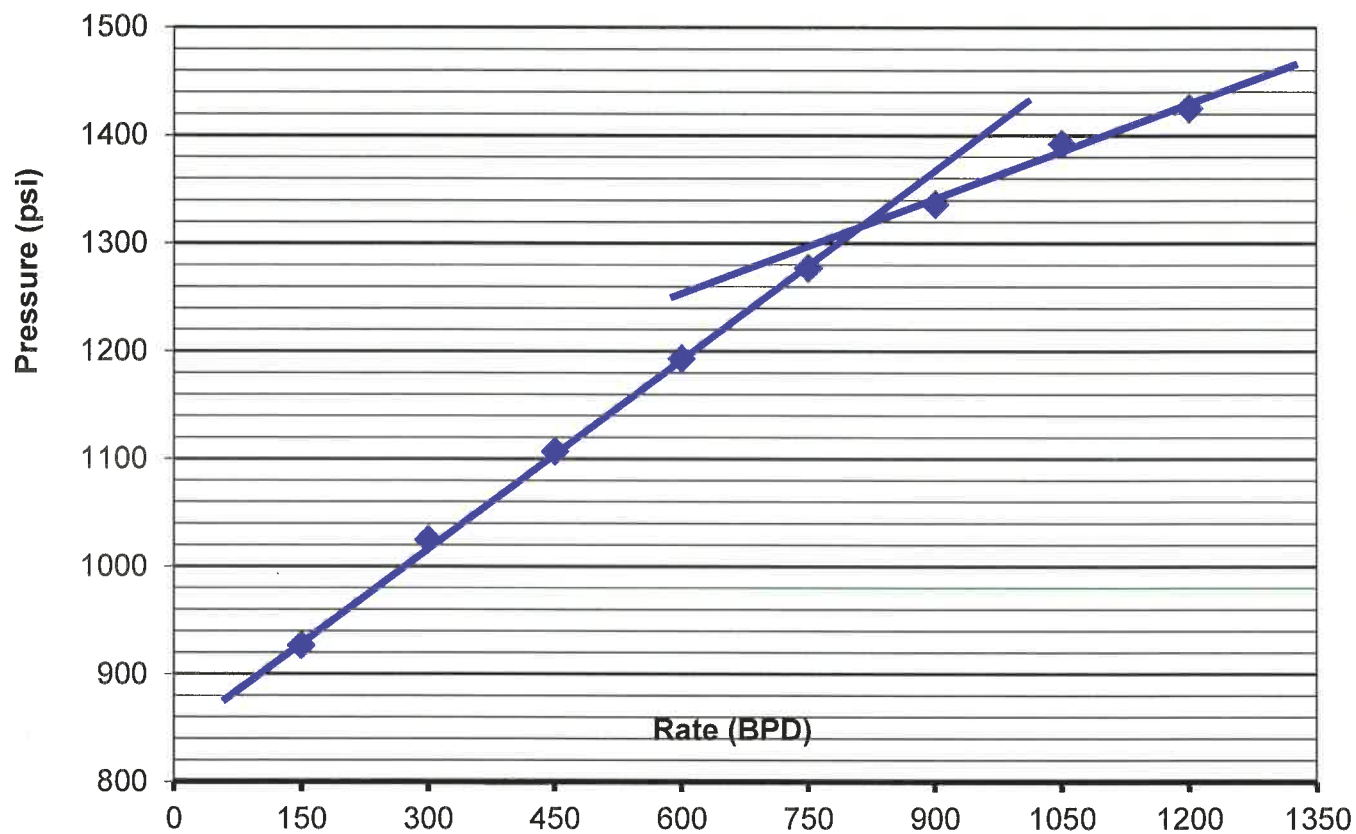
Date: ~~November 18, 2015~~

By: 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/17/2015



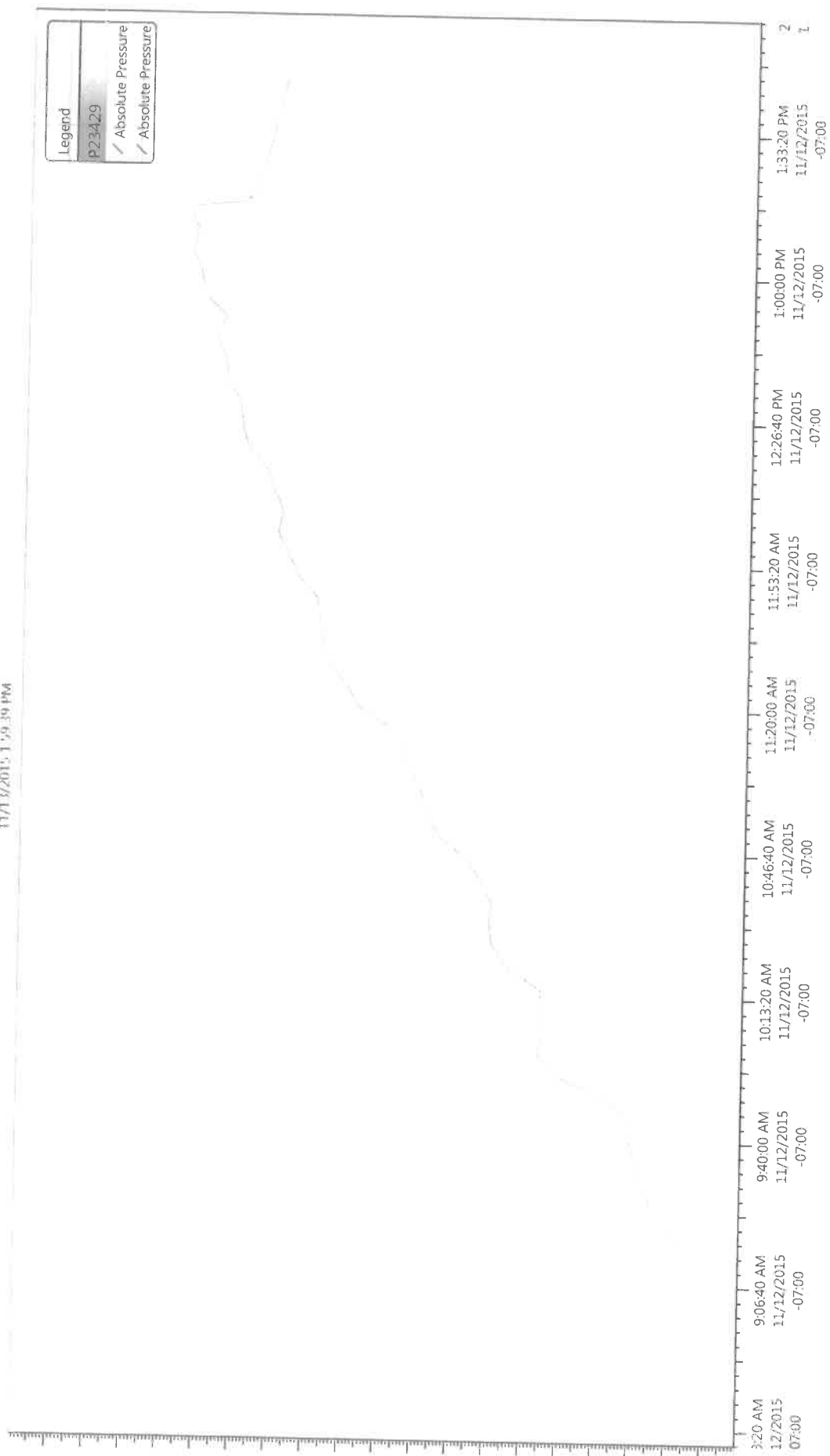
Castle Peak Federal 33-15-9-16  
Greater Monument Butte Unit  
Step Rate Test  
November 12, 2015



Start Pressure: 862 psi  
Instantaneous Shut In Pressure (ISIP): 1367 psi  
Top Perforation: 4098 feet  
Fracture pressure (Pfp): 1315 psi  
FG: 0.760 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	150	927
2	300	1025
3	450	1107
4	600	1193
5	750	1277
6	900	1336
7	1050	1392
8	1200	1425

Castle Peak Federal 33 15 9 16 SRT & ISIP (11/12/15)  
11/11/2015 1:59:39 PM



## Castle Peak Federal 33-15-9-16 SRT Data (11-12-15)

11/13/2015 1:57:57 PM

Date	Time	Time Zone	P23429 Absolute Pressure (psi)	Date	Time	Time Zone	P23429 Absolute Pressure (psi)
11/12/2015	8:45:01 AM	-07:00	865.0	11/12/2015	12:35:01 PM	-07:00	1379.4
11/12/2015	8:50:01 AM	-07:00	861.6	11/12/2015	12:40:01 PM	-07:00	1381.0
11/12/2015	8:55:01 AM	-07:00	862.6	11/12/2015	12:45:01 PM	-07:00	1391.8
11/12/2015	9:00:01 AM	-07:00	862.4	11/12/2015	12:50:01 PM	-07:00	1383.0
11/12/2015	9:05:01 AM	-07:00	862.6	11/12/2015	12:55:01 PM	-07:00	1406.4
11/12/2015	9:10:01 AM	-07:00	861.4	11/12/2015	1:00:01 PM	-07:00	1410.4
11/12/2015	9:15:01 AM	-07:00	861.8	11/12/2015	1:05:01 PM	-07:00	1420.4
11/12/2015	9:20:01 AM	-07:00	883.4	11/12/2015	1:10:01 PM	-07:00	1414.6
11/12/2015	9:25:01 AM	-07:00	897.0	11/12/2015	1:15:01 PM	-07:00	1425.2
11/12/2015	9:30:01 AM	-07:00	907.4				
11/12/2015	9:35:01 AM	-07:00	914.0				
11/12/2015	9:40:01 AM	-07:00	922.6				
11/12/2015	9:45:01 AM	-07:00	927.4				
11/12/2015	9:50:01 AM	-07:00	946.6				
11/12/2015	9:55:01 AM	-07:00	1003.8				
11/12/2015	10:00:01 AM	-07:00	1026.4				
11/12/2015	10:05:01 AM	-07:00	1021.4				
11/12/2015	10:10:01 AM	-07:00	1021.2				
11/12/2015	10:15:01 AM	-07:00	1024.6				
11/12/2015	10:20:01 AM	-07:00	1060.4				
11/12/2015	10:25:01 AM	-07:00	1077.6				
11/12/2015	10:30:01 AM	-07:00	1082.0				
11/12/2015	10:35:01 AM	-07:00	1079.6				
11/12/2015	10:40:01 AM	-07:00	1091.8				
11/12/2015	10:45:01 AM	-07:00	1107.0				
11/12/2015	10:50:01 AM	-07:00	1137.4				
11/12/2015	10:55:01 AM	-07:00	1152.8				
11/12/2015	11:00:01 AM	-07:00	1158.0				
11/12/2015	11:05:01 AM	-07:00	1170.4				
11/12/2015	11:10:01 AM	-07:00	1181.8				
11/12/2015	11:15:01 AM	-07:00	1193.2				
11/12/2015	11:20:01 AM	-07:00	1229.2				
11/12/2015	11:25:01 AM	-07:00	1243.2				
11/12/2015	11:30:01 AM	-07:00	1262.6				
11/12/2015	11:35:01 AM	-07:00	1270.2				
11/12/2015	11:40:01 AM	-07:00	1274.2				
11/12/2015	11:45:01 AM	-07:00	1277.2				
11/12/2015	11:50:01 AM	-07:00	1298.2				
11/12/2015	11:55:01 AM	-07:00	1309.0				
11/12/2015	12:00:01 PM	-07:00	1321.8				
11/12/2015	12:05:01 PM	-07:00	1316.0				
11/12/2015	12:10:01 PM	-07:00	1326.8				
11/12/2015	12:15:01 PM	-07:00	1336.0				
11/12/2015	12:20:01 PM	-07:00	1355.8				
11/12/2015	12:25:01 PM	-07:00	1362.4				
11/12/2015	12:30:01 PM	-07:00	1364.6				

## Castle Peak Federal 33-15-9-16 ISIP Data (11-12-15)

11/13/2015 1:58:53 PM

Date	Time	Time Zone	P23429 Absolute Pressure (psi)
11/12/2015	1:15:22 PM	-07:00	1422.2
11/12/2015	1:16:22 PM	-07:00	1367.4
11/12/2015	1:17:22 PM	-07:00	1358.6
11/12/2015	1:18:22 PM	-07:00	1355.8
11/12/2015	1:19:22 PM	-07:00	1354.0
11/12/2015	1:20:22 PM	-07:00	1352.2
11/12/2015	1:21:22 PM	-07:00	1349.6
11/12/2015	1:22:22 PM	-07:00	1348.0
11/12/2015	1:23:22 PM	-07:00	1346.8
11/12/2015	1:24:22 PM	-07:00	1344.8
11/12/2015	1:25:22 PM	-07:00	1343.2
11/12/2015	1:26:22 PM	-07:00	1342.0
11/12/2015	1:27:22 PM	-07:00	1340.6
11/12/2015	1:28:22 PM	-07:00	1339.2
11/12/2015	1:29:22 PM	-07:00	1337.8
11/12/2015	1:30:22 PM	-07:00	1336.0
11/12/2015	1:31:22 PM	-07:00	1335.0
11/12/2015	1:32:22 PM	-07:00	1334.0
11/12/2015	1:33:22 PM	-07:00	1332.4
11/12/2015	1:34:22 PM	-07:00	1331.4
11/12/2015	1:35:22 PM	-07:00	1330.2
11/12/2015	1:36:22 PM	-07:00	1329.2
11/12/2015	1:37:22 PM	-07:00	1328.0
11/12/2015	1:38:22 PM	-07:00	1327.4
11/12/2015	1:39:22 PM	-07:00	1326.0
11/12/2015	1:40:22 PM	-07:00	1325.2
11/12/2015	1:41:22 PM	-07:00	1324.0
11/12/2015	1:42:22 PM	-07:00	1322.6
11/12/2015	1:43:22 PM	-07:00	1322.0
11/12/2015	1:44:22 PM	-07:00	1321.2
11/12/2015	1:45:22 PM	-07:00	1320.6